

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074655.D
 Acq On : 27 Oct 2022 13:54
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 23:52:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 23:51:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	132760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	221148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	200815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	86336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	21535	20.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.540%#		
35) Dibromofluoromethane	7.810	113	26481	19.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.180%#		
50) Toluene-d8	10.269	98	105027	22.769	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.540%#		
62) 4-Bromofluorobenzene	12.569	95	27296	18.103	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	36.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	26488	25.411	ug/l	97
3) Chloromethane	2.146	50	37462	26.019	ug/l	93
4) Vinyl Chloride	2.281	62	39868	25.002	ug/l	95
5) Bromomethane	2.675	94	29023	23.871	ug/l	98
6) Chloroethane	2.828	64	26725	24.504	ug/l	94
7) Trichlorofluoromethane	3.169	101	45511	20.728	ug/l	91
8) Diethyl Ether	3.599	74	12383	19.699	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	27319	19.492	ug/l	98
10) Methyl Iodide	4.158	142	30207	19.121	ug/l	99
11) Tert butyl alcohol	5.022	59	14249m	84.354	ug/l	
12) 1,1-Dichloroethene	3.940	96	28411	20.159	ug/l	93
13) Acrolein	3.799	56	10404	97.948	ug/l	97
14) Allyl chloride	4.558	41	28576	18.961	ug/l	98
15) Acrylonitrile	5.257	53	23028	90.780	ug/l	97
16) Acetone	4.028	43	17334	78.720	ug/l	99
17) Carbon Disulfide	4.263	76	88353	22.308	ug/l	96
18) Methyl Acetate	4.563	43	12627	19.235	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	52171	19.108	ug/l	99
20) Methylene Chloride	4.799	84	51413	22.079	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	30834	19.509	ug/l	96
22) Diisopropyl ether	6.210	45	61814	20.070	ug/l	92
23) Vinyl Acetate	6.157	43	103122m	77.766	ug/l	
24) 1,1-Dichloroethane	6.116	63	46566	19.645	ug/l	99
25) 2-Butanone	7.087	43	25475	86.679	ug/l #	85
26) 2,2-Dichloropropane	7.069	77	39494	17.466	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	33591	19.337	ug/l	97
28) Bromochloromethane	7.428	49	15088	25.188	ug/l	100
29) Tetrahydrofuran	7.446	42	15379	95.573	ug/l	98
30) Chloroform	7.599	83	49962	19.545	ug/l	94
31) Cyclohexane	7.881	56	39784	19.302	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	43518	18.576	ug/l	98
36) 1,1-Dichloropropene	8.010	75	39067	19.503	ug/l	98
37) Ethyl Acetate	7.169	43	12016	19.356	ug/l	97
38) Carbon Tetrachloride	7.987	117	35011	17.988	ug/l	92
39) Methylcyclohexane	9.275	83	47330	19.728	ug/l	97
40) Benzene	8.251	78	115546	19.567	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074655.D
 Acq On : 27 Oct 2022 13:54
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 23:52:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 23:51:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	6380	18.464	ug/l	93
42) 1,2-Dichloroethane	8.322	62	26583	19.512	ug/l	99
43) Isopropyl Acetate	8.363	43	22146	19.139	ug/l #	85
44) Trichloroethene	9.028	130	33301	19.222	ug/l	99
45) 1,2-Dichloropropane	9.304	63	26158	20.146	ug/l	99
46) Dibromomethane	9.393	93	14821	19.830	ug/l	96
47) Bromodichloromethane	9.587	83	36350	19.750	ug/l	91
48) Methyl methacrylate	9.381	41	10596	19.940	ug/l	94
49) 1,4-Dioxane	9.387	88	3001	407.696	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	53251	92.324	ug/l	98
52) Toluene	10.334	92	74000	20.232	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	30692	18.923	ug/l	89
54) cis-1,3-Dichloropropene	10.016	75	38378	18.688	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	19761	19.263	ug/l	96
56) Ethyl methacrylate	10.598	69	21786	19.468	ug/l	98
57) 1,3-Dichloropropane	10.881	76	32146	19.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	17629	70.683	ug/l	99
59) 2-Hexanone	10.922	43	36121	91.234	ug/l	98
60) Dibromochloromethane	11.075	129	24401	19.708	ug/l	99
61) 1,2-Dibromoethane	11.181	107	19600	20.824	ug/l	96
64) Tetrachloroethene	10.810	164	28711	19.328	ug/l	94
65) Chlorobenzene	11.604	112	80952	19.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	26921	18.663	ug/l	96
67) Ethyl Benzene	11.681	91	139083	18.868	ug/l	99
68) m/p-Xylenes	11.792	106	109032	36.955	ug/l	99
69) o-Xylene	12.122	106	47929	17.674	ug/l	93
70) Styrene	12.134	104	80830	17.720	ug/l	98
71) Bromoform	12.298	173	12091	16.023	ug/l #	94
73) Isopropylbenzene	12.422	105	123450	18.479	ug/l	99
74) N-amyl acetate	12.234	43	18487	18.654	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	19541	18.469	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	11815m	16.014	ug/l	
77) Bromobenzene	12.698	156	29006	19.228	ug/l	97
78) n-propylbenzene	12.763	91	149544	18.835	ug/l	99
79) 2-Chlorotoluene	12.845	91	81083	18.931	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	104927	19.226	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	4661	15.952	ug/l	93
82) 4-Chlorotoluene	12.945	91	84494	19.109	ug/l	100
83) tert-Butylbenzene	13.163	119	90898	18.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	101324	18.913	ug/l	96
85) sec-Butylbenzene	13.345	105	134985	18.577	ug/l	98
86) p-Isopropyltoluene	13.457	119	114239	18.743	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	59823	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	59278	19.235	ug/l	97
89) n-Butylbenzene	13.786	91	103528	18.661	ug/l	99
90) Hexachloroethane	14.051	117	19264	18.148	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	50270	19.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2593	17.718	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	31284	18.032	ug/l	99
94) Hexachlorobutadiene	15.204	225	16177	17.105	ug/l	96
95) Naphthalene	15.328	128	55027	16.940	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	27446	18.561	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
Data File : VD074655.D
Acq On : 27 Oct 2022 13:54
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 23:52:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 23:51:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074655.D
 Acq On : 27 Oct 2022 13:54
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 23:52:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 23:51:06 2022
 Response via : Initial Calibration

