

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075381.D
 Acq On : 21 Feb 2023 15:22
 Operator : KP/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022123

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 21 17:58:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	60971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	101146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	93397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	45274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	27751	53.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.100%			
35) Dibromofluoromethane	7.804	113	28234	47.022	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.040%			
50) Toluene-d8	10.269	98	95446	44.046	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.100%			
62) 4-Bromofluorobenzene	12.575	95	33704	46.320	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	30497	44.742	ug/l	95
3) Chloromethane	2.146	50	45359	45.481	ug/l	97
4) Vinyl Chloride	2.281	62	49478	46.734	ug/l	99
5) Bromomethane	2.687	94	31025	51.606	ug/l	97
6) Chloroethane	2.834	64	33137	45.293	ug/l	93
7) Trichlorofluoromethane	3.175	101	58784	47.273	ug/l	96
8) Diethyl Ether	3.599	74	15896	54.902	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	33096	46.698	ug/l	98
10) Methyl Iodide	4.163	142	36815	47.872	ug/l	100
11) Tert butyl alcohol	5.063	59	8984	251.046	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	32046	48.499	ug/l	90
13) Acrolein	3.793	56	2378	162.933	ug/l	99
14) Allyl chloride	4.563	41	54056	51.736	ug/l	96
15) Acrylonitrile	5.257	53	36751	262.899	ug/l	99
16) Acetone	4.016	43	44235	280.326	ug/l	99
17) Carbon Disulfide	4.275	76	108139	46.468	ug/l	99
18) Methyl Acetate	4.569	43	23666	47.860	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	72268	54.022	ug/l	96
20) Methylene Chloride	4.804	84	38359	50.642	ug/l	97
21) trans-1,2-Dichloroethene	5.316	96	37190	50.353	ug/l	92
22) Diisopropyl ether	6.210	45	106784	53.504	ug/l	96
23) Vinyl Acetate	6.157	43	268342	374.304	ug/l #	94
24) 1,1-Dichloroethane	6.116	63	66027	50.378	ug/l	99
25) 2-Butanone	7.081	43	53036	269.514	ug/l	99
26) 2,2-Dichloropropane	7.081	77	57249	50.223	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	40850	51.993	ug/l	98
28) Bromochloromethane	7.422	49	14445	55.322	ug/l	96
29) Tetrahydrofuran	7.445	42	29733	267.891	ug/l	97
30) Chloroform	7.598	83	67315	51.145	ug/l	96
31) Cyclohexane	7.881	56	58217	47.046	ug/l	97
32) 1,1,1-Trichloroethane	7.792	97	59554	49.156	ug/l	99
36) 1,1-Dichloropropene	8.010	75	51818	48.149	ug/l	99
37) Ethyl Acetate	7.169	43	21584	51.246	ug/l #	94
38) Carbon Tetrachloride	7.992	117	51665	47.913	ug/l	98
39) Methylcyclohexane	9.275	83	62252	49.076	ug/l	95
40) Benzene	8.251	78	145036	49.231	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075381.D
 Acq On : 21 Feb 2023 15:22
 Operator : KP/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD022123

Quant Time: Feb 21 17:58:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	12047	49.873	ug/l	88
42) 1,2-Dichloroethane	8.328	62	41889	50.922	ug/l	99
43) Isopropyl Acetate	8.363	43	41878	52.918	ug/l	98
44) Trichloroethene	9.028	130	38500	48.781	ug/l	91
45) 1,2-Dichloropropane	9.310	63	36323	50.557	ug/l	96
46) Dibromomethane	9.392	93	20099	51.377	ug/l	95
47) Bromodichloromethane	9.586	83	49303	49.526	ug/l	100
48) Methyl methacrylate	9.381	41	20673	51.965	ug/l	93
49) 1,4-Dioxane	9.392	88	3542	989.973	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	107851	269.098	ug/l	100
52) Toluene	10.334	92	91845	50.635	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	46161	56.639	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	54905	55.568	ug/l	99
55) 1,1,2-Trichloroethane	10.739	97	25257	49.836	ug/l	93
56) Ethyl methacrylate	10.598	69	31133	55.203	ug/l	99
57) 1,3-Dichloropropane	10.881	76	43526	49.863	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	39660	282.453	ug/l	98
59) 2-Hexanone	10.922	43	77637	274.513	ug/l	99
60) Dibromochloromethane	11.075	129	32216	49.719	ug/l	95
61) 1,2-Dibromoethane	11.186	107	24836	51.682	ug/l	97
64) Tetrachloroethene	10.810	164	31297	46.815	ug/l	87
65) Chlorobenzene	11.610	112	95696	48.987	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.686	131	34892	49.187	ug/l	98
67) Ethyl Benzene	11.686	91	177261	50.035	ug/l	100
68) m/p-Xylenes	11.798	106	136216	98.091	ug/l	97
69) o-Xylene	12.122	106	63549	49.967	ug/l	100
70) Styrene	12.139	104	106760	50.297	ug/l	99
71) Bromoform	12.304	173	19085	52.498	ug/l #	98
73) Isopropylbenzene	12.428	105	167691	49.123	ug/l	99
74) N-amyl acetate	12.239	43	38679	52.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.680	83	29461	51.498	ug/l	93
76) 1,2,3-Trichloropropane	12.727	75	19422m	57.796	ug/l	
77) Bromobenzene	12.704	156	37581	48.707	ug/l	99
78) n-propylbenzene	12.769	91	207686	48.623	ug/l	99
79) 2-Chlorotoluene	12.851	91	113784	49.331	ug/l	98
80) 1,3,5-Trimethylbenzene	12.910	105	142896	50.580	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	7865	55.874	ug/l	89
82) 4-Chlorotoluene	12.951	91	118814	48.826	ug/l	100
83) tert-Butylbenzene	13.169	119	122420	49.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.216	105	141652	50.764	ug/l	98
85) sec-Butylbenzene	13.351	105	184207	48.824	ug/l	99
86) p-Isopropyltoluene	13.463	119	154626	50.447	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	76041	47.849	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	75983	48.735	ug/l	99
89) n-Butylbenzene	13.792	91	147974	49.075	ug/l	100
90) Hexachloroethane	14.057	117	29059	47.260	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	66662	50.029	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4372	51.063	ug/l	97
93) 1,2,4-Trichlorobenzene	15.110	180	41411	51.111	ug/l	98
94) Hexachlorobutadiene	15.210	225	21913	46.726	ug/l	96
95) Naphthalene	15.339	128	75922	52.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	35691	52.098	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
Data File : VD075381.D
Acq On : 21 Feb 2023 15:22
Operator : KP/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD022123

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 21 17:58:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 21 16:26:04 2023
Response via : Initial Calibration

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

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

