

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072235.D
 Acq On : 16 Mar 2022 23:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 02:30:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	341583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.862	114	629982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	613951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	289852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234878	61.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.400%	
35) Dibromofluoromethane	7.915	113	232530	52.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.900%	
50) Toluene-d8	10.332	98	832189	51.337	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.680%	
62) 4-Bromofluorobenzene	12.620	95	315315	50.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	130325	41.250	ug/l	96
3) Chloromethane	2.203	50	171798	61.193	ug/l	94
4) Vinyl Chloride	2.344	62	154095	56.862	ug/l	100
5) Bromomethane	2.762	94	118542	67.175	ug/l	99
6) Chloroethane	2.921	64	112611	62.850	ug/l	96
7) Trichlorofluoromethane	3.274	101	280095	45.767	ug/l	95
8) Diethyl Ether	3.709	74	110565	65.413	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	179300	45.948	ug/l	96
10) Methyl Iodide	4.303	142	155191	44.640	ug/l	98
11) Tert butyl alcohol	5.221	59	65849	298.337	ug/l #	86
12) 1,1-Dichloroethene	4.068	96	166523	53.043	ug/l	97
13) Acrolein	3.915	56	51530	261.636	ug/l	99
14) Allyl chloride	4.715	41	332993	60.666	ug/l	93
15) Acrylonitrile	5.415	53	289796	339.792	ug/l	97
16) Acetone	4.156	43	210340	254.488	ug/l	99
17) Carbon Disulfide	4.409	76	390769	53.268	ug/l	99
18) Methyl Acetate	4.715	43	165046	81.485	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	559040	65.516	ug/l	99
20) Methylene Chloride	4.962	84	261466	65.965	ug/l	89
21) trans-1,2-Dichloroethene	5.468	96	207229	59.680	ug/l	93
22) Diisopropyl ether	6.362	45	819795	65.480	ug/l	93
23) Vinyl Acetate	6.303	43	2079636	325.477	ug/l	97
24) 1,1-Dichloroethane	6.262	63	449853	60.926	ug/l	99
25) 2-Butanone	7.209	43	347602	315.424	ug/l	96
26) 2,2-Dichloropropane	7.203	77	276972	41.574	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	272492	61.467	ug/l	92
28) Bromochloromethane	7.544	49	183521	61.740	ug/l	89
29) Tetrahydrofuran	7.556	42	228803	353.092	ug/l	94
30) Chloroform	7.703	83	473591	60.207	ug/l	100
31) Cyclohexane	7.979	56	291165	48.956	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	371026	53.108	ug/l	97
36) 1,1-Dichloropropene	8.109	75	290007	46.631	ug/l	96
37) Ethyl Acetate	7.291	43	153925	56.501	ug/l #	95
38) Carbon Tetrachloride	8.091	117	302271	42.757	ug/l	98
39) Methylcyclohexane	9.350	83	299079	42.735	ug/l	99
40) Benzene	8.344	78	930054	52.419	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072235.D
 Acq On : 16 Mar 2022 23:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 02:30:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	96949	61.056	ug/l	91
42) 1,2-Dichloroethane	8.420	62	290577	53.987	ug/l	97
43) Isopropyl Acetate	8.450	43	311974	59.000	ug/l #	96
44) Trichloroethene	9.109	130	242989	48.783	ug/l	97
45) 1,2-Dichloropropane	9.379	63	265697	54.603	ug/l	95
46) Dibromomethane	9.473	93	136820	57.160	ug/l	95
47) Bromodichloromethane	9.656	83	370743	53.131	ug/l	98
48) Methyl methacrylate	9.450	41	158700	62.856	ug/l	92
49) 1,4-Dioxane	9.456	88	31472	1096.452	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	843367	303.672	ug/l	95
52) Toluene	10.397	92	603582	51.698	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	322884	50.646	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	377211	51.182	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	198295	54.383	ug/l	99
56) Ethyl methacrylate	10.656	69	254009	59.475	ug/l	91
57) 1,3-Dichloropropane	10.938	76	343923	56.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	534937	278.568	ug/l	97
59) 2-Hexanone	10.979	43	566347	295.257	ug/l	96
60) Dibromochloromethane	11.132	129	250085	52.856	ug/l	99
61) 1,2-Dibromoethane	11.238	107	186059	56.469	ug/l	98
64) Tetrachloroethene	10.873	164	204942	47.377	ug/l	99
65) Chlorobenzene	11.661	112	669770	49.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	261955	48.669	ug/l	98
67) Ethyl Benzene	11.738	91	1173787	48.284	ug/l	99
68) m/p-Xylenes	11.844	106	884137	95.780	ug/l	99
69) o-Xylene	12.173	106	443558	50.236	ug/l	96
70) Styrene	12.185	104	770000	49.941	ug/l	98
71) Bromoform	12.355	173	142877	49.694	ug/l #	98
73) Isopropylbenzene	12.473	105	1145255	49.860	ug/l	100
74) N-amyl acetate	12.279	43	281000	56.927	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	231525	56.359	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	178177m	55.727	ug/l	
77) Bromobenzene	12.750	156	269539	52.137	ug/l	96
78) n-propylbenzene	12.808	91	1345442	48.224	ug/l	99
79) 2-Chlorotoluene	12.897	91	814683	50.498	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	943059	47.791	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	60579	47.009	ug/l	89
82) 4-Chlorotoluene	12.997	91	829444	49.654	ug/l	100
83) tert-Butylbenzene	13.214	119	844990	48.843	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	947159	48.714	ug/l	100
85) sec-Butylbenzene	13.391	105	1197699	46.100	ug/l	100
86) p-Isopropyltoluene	13.502	119	982890	45.976	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	520549	48.044	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	521404	48.529	ug/l	99
89) n-Butylbenzene	13.832	91	883487	43.357	ug/l	99
90) Hexachloroethane	14.097	117	201235	48.027	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	469468	49.697	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	36666	55.927	ug/l	90
93) 1,2,4-Trichlorobenzene	15.144	180	282889	45.232	ug/l	99
94) Hexachlorobutadiene	15.249	225	144996	39.856	ug/l	98
95) Naphthalene	15.379	128	600229	55.675	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	262822	48.549	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072235.D
Acq On : 16 Mar 2022 23:13
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/17/2022
Supervised By :Mahesh Dadoda 03/17/2022

Quant Time: Mar 17 02:30:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

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

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

