

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103122\
 Data File : VD074684.D
 Acq On : 31 Oct 2022 09:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

Quant Time: Oct 31 12:45:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	139974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	227276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	210675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	100460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59098	50.023	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.040%			
35) Dibromofluoromethane	7.805	113	71679	51.649	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.300%			
50) Toluene-d8	10.269	98	285066	53.413	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.820%			
62) 4-Bromofluorobenzene	12.575	95	84819	57.867	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	52541	43.528	ug/l	96
3) Chloromethane	2.146	50	75032	44.745	ug/l	95
4) Vinyl Chloride	2.281	62	88476	44.243	ug/l	99
5) Bromomethane	2.693	94	69428	46.149	ug/l	97
6) Chloroethane	2.840	64	62320	45.773	ug/l	95
7) Trichlorofluoromethane	3.175	101	113850	49.023	ug/l	97
8) Diethyl Ether	3.593	74	33700	49.111	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.964	101	72984	50.714	ug/l	99
10) Methyl Iodide	4.164	142	80691	42.526	ug/l	100
11) Tert butyl alcohol	5.052	59	17959	156.560	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	71948	47.195	ug/l	92
13) Acrolein	3.799	56	26331	259.316	ug/l	96
14) Allyl chloride	4.564	41	83526	52.744	ug/l	98
15) Acrylonitrile	5.258	53	66030	256.355	ug/l	98
16) Acetone	4.017	43	64884	320.139	ug/l	92
17) Carbon Disulfide	4.269	76	186480	40.293	ug/l	98
18) Methyl Acetate	4.558	43	29552	48.555	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	148066	50.620	ug/l	98
20) Methylene Chloride	4.805	84	82032	40.978	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	80581	47.568	ug/l	96
22) Diisopropyl ether	6.216	45	181179	54.354	ug/l	98
23) Vinyl Acetate	6.158	43	425259	328.211	ug/l	99
24) 1,1-Dichloroethane	6.111	63	126966	50.593	ug/l	97
25) 2-Butanone	7.075	43	78536	278.200	ug/l	99
26) 2,2-Dichloropropane	7.075	77	116400	53.067	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	92708	50.324	ug/l	100
28) Bromochloromethane	7.422	49	44777	51.999	ug/l	97
29) Tetrahydrofuran	7.440	42	44322	254.917	ug/l	94
30) Chloroform	7.599	83	136389	50.518	ug/l	100
31) Cyclohexane	7.881	56	101263	46.766	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	122190	51.544	ug/l	97
36) 1,1-Dichloropropene	8.010	75	103219	52.200	ug/l	99
37) Ethyl Acetate	7.163	43	32339	51.175	ug/l	99
38) Carbon Tetrachloride	7.993	117	101027	54.982	ug/l	95
39) Methylcyclohexane	9.275	83	124026	51.281	ug/l	97
40) Benzene	8.252	78	309387	51.300	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	19117	58.651	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	72592	51.117	ug/l	99
43) Isopropyl Acetate	8.357	43	62041	50.992	ug/l	99
44) Trichloroethene	9.028	130	90718	51.287	ug/l	93
45) 1,2-Dichloropropane	9.305	63	71705	53.317	ug/l	95
46) Dibromomethane	9.393	93	40431	51.489	ug/l	97
47) Bromodichloromethane	9.587	83	102181	54.011	ug/l	94
48) Methyl methacrylate	9.381	41	29593	54.852	ug/l	95
49) 1,4-Dioxane	9.387	88	7771	928.672	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	159504	271.337	ug/l	99
52) Toluene	10.334	92	205920	54.535	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	95187	58.698	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	115847	56.053	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	58409	54.541	ug/l	96
56) Ethyl methacrylate	10.599	69	64078	54.382	ug/l	93
57) 1,3-Dichloropropane	10.881	76	94085	55.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	102557	326.528	ug/l	99
59) 2-Hexanone	10.922	43	118329	297.260	ug/l	100
60) Dibromochloromethane	11.075	129	69898	54.851	ug/l	98
61) 1,2-Dibromoethane	11.181	107	53628	53.611	ug/l	100
64) Tetrachloroethene	10.810	164	73917	49.585	ug/l	96
65) Chlorobenzene	11.610	112	223678	52.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	78886	54.767	ug/l	99
67) Ethyl Benzene	11.687	91	400396	54.277	ug/l	96
68) m/p-Xylenes	11.793	106	318072	109.221	ug/l	98
69) o-Xylene	12.122	106	146093	54.467	ug/l	97
70) Styrene	12.134	104	252187	55.844	ug/l	99
71) Bromoform	12.298	173	39241	53.958	ug/l #	96
73) Isopropylbenzene	12.422	105	388157	54.185	ug/l	100
74) N-amyl acetate	12.234	43	58057	51.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	59940	50.307	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	46937m	59.739	ug/l	
77) Bromobenzene	12.698	156	89065	52.034	ug/l	98
78) n-propylbenzene	12.763	91	466894	54.316	ug/l	100
79) 2-Chlorotoluene	12.851	91	249261	53.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	320839	53.917	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	16892	56.899	ug/l	99
82) 4-Chlorotoluene	12.945	91	257832	53.217	ug/l	100
83) tert-Butylbenzene	13.163	119	284410	53.860	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	318834	54.302	ug/l	97
85) sec-Butylbenzene	13.345	105	425636	54.920	ug/l	99
86) p-Isopropyltoluene	13.457	119	363619	54.883	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	183111	51.702	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	178732	51.204	ug/l	99
89) n-Butylbenzene	13.787	91	331715	55.280	ug/l	99
90) Hexachloroethane	14.051	117	62827	55.592	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	156039	51.953	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8264	52.139	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	101359	52.582	ug/l	99
94) Hexachlorobutadiene	15.204	225	54048	54.949	ug/l	96
95) Naphthalene	15.334	128	185119	52.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	85338	51.427	ug/l	98

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

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