

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074642.D
 Acq On : 25 Oct 2022 20:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 01:23:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	130568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	209253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	169954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	82841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43227	43.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.720%		
35) Dibromofluoromethane	7.810	113	58975	50.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.780%		
50) Toluene-d8	10.269	98	176259	42.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.160%		
62) 4-Bromofluorobenzene	12.569	95	58769	48.726	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	39853	39.323	ug/l	98
3) Chloromethane	2.146	50	62276	45.392	ug/l	94
4) Vinyl Chloride	2.281	62	66854	44.065	ug/l	97
5) Bromomethane	2.687	94	46641	40.595	ug/l	96
6) Chloroethane	2.828	64	48655	46.644	ug/l	99
7) Trichlorofluoromethane	3.175	101	100204	46.595	ug/l	97
8) Diethyl Ether	3.593	74	32588	52.325	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	67430	48.621	ug/l	98
10) Methyl Iodide	4.158	142	77527	43.493	ug/l	100
11) Tert butyl alcohol	5.058	59	21233	209.193	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	66045	47.613	ug/l	84
13) Acrolein	3.799	56	25198	236.013	ug/l	96
14) Allyl chloride	4.558	41	74048	49.432	ug/l	99
15) Acrylonitrile	5.258	53	68978	270.995	ug/l	99
16) Acetone	4.022	43	45069	207.040	ug/l	97
17) Carbon Disulfide	4.269	76	143919	37.916	ug/l	98
18) Methyl Acetate	4.563	43	31916	54.670	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	153032	56.457	ug/l	99
20) Methylene Chloride	4.805	84	81737	48.586	ug/l	98
21) trans-1,2-Dichloroethene	5.310	96	73042	47.236	ug/l	96
22) Diisopropyl ether	6.216	45	172057	56.920	ug/l	95
23) Vinyl Acetate	6.152	43	325652m	246.361	ug/l	
24) 1,1-Dichloroethane	6.110	63	121759	51.899	ug/l	99
25) 2-Butanone	7.081	43	72706	249.774	ug/l	97
26) 2,2-Dichloropropane	7.075	77	105771	47.170	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	89624	52.256	ug/l	97
28) Bromochloromethane	7.422	49	37849	59.312	ug/l	98
29) Tetrahydrofuran	7.446	42	46831	294.971	ug/l	98
30) Chloroform	7.593	83	136214	53.958	ug/l	100
31) Cyclohexane	7.875	56	86846	43.370	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	117576	50.789	ug/l	98
36) 1,1-Dichloropropene	8.010	75	92657	49.291	ug/l	98
37) Ethyl Acetate	7.169	43	34305	57.840	ug/l	97
38) Carbon Tetrachloride	7.987	117	91467	49.690	ug/l	97
39) Methylcyclohexane	9.275	83	108014	48.091	ug/l	98
40) Benzene	8.251	78	288137	51.647	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	18854	59.002	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	68375	53.110	ug/l	98
43) Isopropyl Acetate	8.357	43	66078	59.949	ug/l	97
44) Trichloroethene	9.028	130	86101	52.681	ug/l	98
45) 1,2-Dichloropropane	9.304	63	68333	55.812	ug/l	97
46) Dibromomethane	9.393	93	40698	57.605	ug/l	97
47) Bromodichloromethane	9.587	83	101869	58.277	ug/l	97
48) Methyl methacrylate	9.381	41	28282	56.145	ug/l	96
49) 1,4-Dioxane	9.387	88	9400	1351.854	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	158702	289.470	ug/l	99
52) Toluene	10.334	92	171819	49.938	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	79236	51.556	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	107124	55.280	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	53042	54.643	ug/l	99
56) Ethyl methacrylate	10.598	69	59681	56.245	ug/l	96
57) 1,3-Dichloropropane	10.881	76	81799	51.946	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	71126	252.151	ug/l	100
59) 2-Hexanone	10.922	43	103563	276.754	ug/l	99
60) Dibromochloromethane	11.075	129	64516	55.141	ug/l	99
61) 1,2-Dibromoethane	11.181	107	48305	54.515	ug/l	97
64) Tetrachloroethene	10.810	164	62065	49.405	ug/l	95
65) Chlorobenzene	11.604	112	188807	52.741	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	68305	55.536	ug/l	96
67) Ethyl Benzene	11.681	91	328920	52.764	ug/l	99
68) m/p-Xylenes	11.792	106	262731	106.000	ug/l	98
69) o-Xylene	12.122	106	125628	54.461	ug/l	97
70) Styrene	12.134	104	220114	56.660	ug/l	99
71) Bromoform	12.298	173	38109	59.016	ug/l #	95
73) Isopropylbenzene	12.422	105	331199	51.264	ug/l	100
74) N-amyl acetate	12.234	43	54434	57.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	57204	55.930	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	34422m	47.587	ug/l	
77) Bromobenzene	12.698	156	78258	53.670	ug/l	100
78) n-propylbenzene	12.763	91	391704	51.302	ug/l	100
79) 2-Chlorotoluene	12.845	91	212166	51.293	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	270396	51.558	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	13922	49.185	ug/l	97
82) 4-Chlorotoluene	12.945	91	220067	51.785	ug/l	100
83) tert-Butylbenzene	13.163	119	249197	53.264	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	269051	52.132	ug/l	98
85) sec-Butylbenzene	13.339	105	356801	50.821	ug/l	98
86) p-Isopropyltoluene	13.457	119	305440	51.931	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	157793	52.075	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	152249	51.326	ug/l	99
89) n-Butylbenzene	13.786	91	276421	51.585	ug/l	99
90) Hexachloroethane	14.051	117	52612	51.391	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	135618	53.654	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7818	55.272	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	88091	52.832	ug/l	99
94) Hexachlorobutadiene	15.198	225	46740	50.954	ug/l	99
95) Naphthalene	15.328	128	171388	54.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	78083	54.630	ug/l	99

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

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