

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073356.D
 Acq On : 25 May 2022 07:37
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 25 07:58:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	282166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	487336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	486598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168621	54.074	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.140%			
35) Dibromofluoromethane	7.908	113	175691	54.634	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.260%			
50) Toluene-d8	10.332	98	649452	54.787	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.580%			
62) 4-Bromofluorobenzene	12.620	95	233438	56.114	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	109472	38.827	ug/l	99
3) Chloromethane	2.209	50	134817	42.287	ug/l	96
4) Vinyl Chloride	2.350	62	119362	40.943	ug/l	97
5) Bromomethane	2.762	94	93611	50.095	ug/l	95
6) Chloroethane	2.915	64	82253	45.896	ug/l	99
7) Trichlorofluoromethane	3.268	101	230842	44.781	ug/l	95
8) Diethyl Ether	3.709	74	75960	53.625	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	139009	45.195	ug/l	96
10) Methyl Iodide	4.297	142	143937	43.375	ug/l	98
11) Tert butyl alcohol	5.215	59	54730	113.123	ug/l	100
12) 1,1-Dichloroethene	4.067	96	136009	47.963	ug/l	85
13) Acrolein	3.920	56	40746	210.454	ug/l	97
14) Allyl chloride	4.715	41	216271	47.249	ug/l	91
15) Acrylonitrile	5.414	53	189600	292.716	ug/l	98
16) Acetone	4.156	43	137252	254.110	ug/l	97
17) Carbon Disulfide	4.409	76	374091	39.795	ug/l	97
18) Methyl Acetate	4.709	43	85038	56.619	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	378742	58.628	ug/l	98
20) Methylene Chloride	4.962	84	225719	67.263	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	174274	50.829	ug/l	87
22) Diisopropyl ether	6.362	45	545357	56.836	ug/l	93
23) Vinyl Acetate	6.303	43	1477117	288.604	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	325883	52.912	ug/l	97
25) 2-Butanone	7.209	43	223864	283.291	ug/l #	90
26) 2,2-Dichloropropane	7.209	77	220539	41.988	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	208221	54.885	ug/l	88
28) Bromochloromethane	7.538	49	113243	53.370	ug/l #	80
29) Tetrahydrofuran	7.556	42	149360	292.304	ug/l	90
30) Chloroform	7.703	83	357466	55.593	ug/l	99
31) Cyclohexane	7.985	56	221602	40.666	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	284950	50.669	ug/l	96
36) 1,1-Dichloropropene	8.108	75	231807	47.929	ug/l	96
37) Ethyl Acetate	7.285	43	104963	54.944	ug/l #	94
38) Carbon Tetrachloride	8.091	117	237565	48.457	ug/l	98
39) Methylcyclohexane	9.350	83	229583	42.594	ug/l	97
40) Benzene	8.344	78	728789	52.285	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	55096	49.500	ug/l #	76
42) 1,2-Dichloroethane	8.414	62	214073	55.196	ug/l	95
43) Isopropyl Acetate	8.444	43	199230	56.422	ug/l #	91
44) Trichloroethene	9.108	130	193519	52.063	ug/l	89
45) 1,2-Dichloropropane	9.379	63	193735	55.190	ug/l	100
46) Dibromomethane	9.467	93	107249	55.629	ug/l	96
47) Bromodichloromethane	9.655	83	273878	55.520	ug/l	98
48) Methyl methacrylate	9.450	41	103179	58.079	ug/l	89
49) 1,4-Dioxane	9.450	88	22814	1145.873	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	554364	302.276	ug/l	93
52) Toluene	10.397	92	482567	54.786	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	235541	52.853	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	280772	52.647	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	153042	58.703	ug/l	97
56) Ethyl methacrylate	10.655	69	178742	61.664	ug/l	85
57) 1,3-Dichloropropane	10.938	76	253453	57.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	348276	252.645	ug/l	96
59) 2-Hexanone	10.973	43	367952	304.317	ug/l	92
60) Dibromochloromethane	11.132	129	190590	58.628	ug/l	99
61) 1,2-Dibromoethane	11.238	107	143707	57.685	ug/l	99
64) Tetrachloroethene	10.867	164	153836	48.268	ug/l	94
65) Chlorobenzene	11.661	112	523510	52.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	201003	54.293	ug/l	99
67) Ethyl Benzene	11.738	91	914634	52.194	ug/l	100
68) m/p-Xylenes	11.844	106	718793	105.577	ug/l	99
69) o-Xylene	12.167	106	338702	54.154	ug/l	97
70) Styrene	12.185	104	610351	56.721	ug/l	96
71) Bromoform	12.349	173	109091	57.254	ug/l #	99
73) Isopropylbenzene	12.467	105	876803	48.715	ug/l	100
74) N-amyl acetate	12.279	43	205263	52.277	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	173783	52.352	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	144884m	58.487	ug/l	
77) Bromobenzene	12.749	156	214436	50.611	ug/l	91
78) n-propylbenzene	12.808	91	1097689	48.579	ug/l	99
79) 2-Chlorotoluene	12.896	91	645538	49.479	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	766659	50.283	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	50110	48.562	ug/l	87
82) 4-Chlorotoluene	12.991	91	681949	49.868	ug/l	98
83) tert-Butylbenzene	13.208	119	646369	50.302	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	767358	50.946	ug/l	98
85) sec-Butylbenzene	13.385	105	938417	47.828	ug/l	99
86) p-Isopropyltoluene	13.502	119	778560	48.678	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	431117	50.481	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	428455	49.700	ug/l	99
89) n-Butylbenzene	13.826	91	736448	48.325	ug/l	99
90) Hexachloroethane	14.096	117	161003	48.650	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	379421	51.349	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	27182	53.471	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	216350	51.573	ug/l	100
94) Hexachlorobutadiene	15.249	225	108296	45.811	ug/l	98
95) Naphthalene	15.379	128	416954	50.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	197303	53.053	ug/l	100

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

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