

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072902.D
 Acq On : 09 May 2022 20:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2022
 Supervised By : Mahesh Dadoda 05/10/2022

Quant Time: May 10 01:38:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	313625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	540858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	520011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	245633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	209694	51.508	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.020%			
35) Dibromofluoromethane	7.909	113	199800	52.600	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.332	98	697990	51.226	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.620	95	265729	52.303	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	191690	44.231	ug/l	97
3) Chloromethane	2.209	50	207243	45.981	ug/l	98
4) Vinyl Chloride	2.350	62	197050	48.723	ug/l	98
5) Bromomethane	2.762	94	132880	53.524	ug/l	98
6) Chloroethane	2.921	64	125377	49.741	ug/l	99
7) Trichlorofluoromethane	3.268	101	345379	48.769	ug/l	98
8) Diethyl Ether	3.709	74	108423	53.402	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	204216	48.571	ug/l	98
10) Methyl Iodide	4.297	142	218322	51.742	ug/l	99
11) Tert butyl alcohol	5.215	59	87172	247.483	ug/l #	94
12) 1,1-Dichloroethene	4.068	96	189845	50.201	ug/l	90
13) Acrolein	3.915	56	51041	205.799	ug/l	99
14) Allyl chloride	4.709	41	339494	55.604	ug/l	95
15) Acrylonitrile	5.415	53	254839	264.110	ug/l	97
16) Acetone	4.156	43	185554	243.129	ug/l	93
17) Carbon Disulfide	4.409	76	550469	46.293	ug/l	98
18) Methyl Acetate	4.715	43	117097	52.873	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	505874	55.799	ug/l	100
20) Methylene Chloride	4.956	84	259163	53.685	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	222377	51.273	ug/l	97
22) Diisopropyl ether	6.362	45	761690	56.711	ug/l	92
23) Vinyl Acetate	6.303	43	2041986	275.221	ug/l	95
24) 1,1-Dichloroethane	6.256	63	432729	53.626	ug/l	99
25) 2-Butanone	7.203	43	301717	254.358	ug/l	95
26) 2,2-Dichloropropane	7.203	77	354321	51.940	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	264784	53.303	ug/l	94
28) Bromochloromethane	7.544	49	159588	53.034	ug/l	85
29) Tetrahydrofuran	7.556	42	200818	265.603	ug/l	95
30) Chloroform	7.703	83	454642	53.248	ug/l	99
31) Cyclohexane	7.985	56	335976	47.210	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	380749	52.323	ug/l	98
36) 1,1-Dichloropropene	8.108	75	318841	51.622	ug/l	98
37) Ethyl Acetate	7.285	43	146138	51.469	ug/l	96
38) Carbon Tetrachloride	8.091	117	323795	50.502	ug/l	98
39) Methylcyclohexane	9.350	83	352953	49.266	ug/l	99
40) Benzene	8.344	78	932209	52.264	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	87256	51.611	ug/l	91
42) 1,2-Dichloroethane	8.420	62	280728	52.228	ug/l	97
43) Isopropyl Acetate	8.444	43	284955	54.374	ug/l	96
44) Trichloroethene	9.108	130	238504	49.981	ug/l	98
45) 1,2-Dichloropropane	9.379	63	246870	52.702	ug/l	96
46) Dibromomethane	9.467	93	132948	51.452	ug/l	97
47) Bromodichloromethane	9.655	83	347762	52.317	ug/l	96
48) Methyl methacrylate	9.450	41	134880	52.610	ug/l	86
49) 1,4-Dioxane	9.450	88	29226	1004.427	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	733554	269.371	ug/l	96
52) Toluene	10.397	92	612485	55.048	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	324071	53.077	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	381294	53.752	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	180998	51.816	ug/l	97
56) Ethyl methacrylate	10.650	69	225272	54.773	ug/l	93
57) 1,3-Dichloropropane	10.938	76	314090	52.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	571751	286.729	ug/l	97
59) 2-Hexanone	10.973	43	492120	268.565	ug/l	97
60) Dibromochloromethane	11.132	129	226184	51.437	ug/l	98
61) 1,2-Dibromoethane	11.238	107	171230	50.362	ug/l	100
64) Tetrachloroethene	10.867	164	184469	48.520	ug/l	92
65) Chlorobenzene	11.661	112	627559	52.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	239278	52.936	ug/l	98
67) Ethyl Benzene	11.732	91	1139711	54.754	ug/l	97
68) m/p-Xylenes	11.844	106	866421	108.059	ug/l	99
69) o-Xylene	12.167	106	410027	54.756	ug/l	98
70) Styrene	12.185	104	719952	55.491	ug/l	99
71) Bromoform	12.349	173	120825	49.322	ug/l #	99
73) Isopropylbenzene	12.467	105	1075931	56.299	ug/l	100
74) N-amyl acetate	12.279	43	263807	55.431	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	197459	51.185	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	145402m	53.086	ug/l	
77) Bromobenzene	12.749	156	245510	54.099	ug/l	97
78) n-propylbenzene	12.808	91	1324483	54.989	ug/l	99
79) 2-Chlorotoluene	12.896	91	779096	55.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	910647	56.196	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	62513	52.485	ug/l	93
82) 4-Chlorotoluene	12.991	91	806279	54.845	ug/l	98
83) tert-Butylbenzene	13.208	119	770993	55.963	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	907092	56.001	ug/l	100
85) sec-Butylbenzene	13.385	105	1146522	55.177	ug/l	99
86) p-Isopropyltoluene	13.502	119	944070	55.415	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	477866	52.271	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	473079	51.964	ug/l	100
89) n-Butylbenzene	13.826	91	892657	54.090	ug/l	98
90) Hexachloroethane	14.096	117	185151	53.051	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	418016	52.465	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30811	50.383	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	248776	52.723	ug/l	99
94) Hexachlorobutadiene	15.249	225	125697	48.777	ug/l	97
95) Naphthalene	15.379	128	492461	56.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	220932	52.819	ug/l	99

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

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