

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073335.D
 Acq On : 24 May 2022 20:10
 Operator : VA/SY
 Sample : N2949-21MSD
 Misc : 4.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS002-0006-01MSD

Quant Time: May 25 05:29:46 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	243877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	419370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	359912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	147257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159918	59.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.660%			
35) Dibromofluoromethane	7.914	113	163181	58.968	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.940%			
50) Toluene-d8	10.332	98	526709	51.634	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.620	95	162859	45.492	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	114546	47.005	ug/l	97
3) Chloromethane	2.209	50	129698	47.068	ug/l	100
4) Vinyl Chloride	2.344	62	121589	48.255	ug/l	96
5) Bromomethane	2.762	94	85066	52.895	ug/l	98
6) Chloroethane	2.915	64	80608	52.040	ug/l	93
7) Trichlorofluoromethane	3.267	101	222573	49.956	ug/l	99
8) Diethyl Ether	3.709	74	76591	62.560	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	131181	49.347	ug/l	97
10) Methyl Iodide	4.297	142	134095	46.754	ug/l	99
11) Tert butyl alcohol	5.226	59	58931	140.930	ug/l #	85
12) 1,1-Dichloroethene	4.062	96	123142	50.244	ug/l	90
13) Acrolein	3.920	56	20572	114.992	ug/l	98
14) Allyl chloride	4.709	41	210607	53.235	ug/l	91
15) Acrylonitrile	5.420	53	169580	302.912	ug/l	99
16) Acetone	4.150	43	146474	313.760	ug/l #	87
17) Carbon Disulfide	4.403	76	333759	41.079	ug/l	99
18) Methyl Acetate	4.709	43	166076	127.935	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	366221	65.590	ug/l	95
20) Methylene Chloride	4.956	84	190343	65.521	ug/l	88
21) trans-1,2-Dichloroethene	5.461	96	154709	52.207	ug/l	88
22) Diisopropyl ether	6.361	45	512776	61.831	ug/l	90
23) Vinyl Acetate	6.303	43	622829m	140.796	ug/l	
24) 1,1-Dichloroethane	6.256	63	293814	55.194	ug/l	98
25) 2-Butanone	7.208	43	217288	318.139	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	222188	48.943	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	179516	54.748	ug/l	90
28) Bromochloromethane	7.544	49	108578	59.205	ug/l #	81
29) Tetrahydrofuran	7.555	42	146593	331.931	ug/l	90
30) Chloroform	7.702	83	313023	56.325	ug/l	96
31) Cyclohexane	7.985	56	187191	39.744	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	248223	51.068	ug/l	97
36) 1,1-Dichloropropene	8.108	75	196727	47.268	ug/l	96
37) Ethyl Acetate	7.285	43	67046	40.784	ug/l #	93
38) Carbon Tetrachloride	8.091	117	210572	49.912	ug/l	98
39) Methylcyclohexane	9.349	83	176941	38.148	ug/l	96
40) Benzene	8.344	78	633081	52.780	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	54491	56.891	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	193140	57.869	ug/l	95
43) Isopropyl Acetate	8.444	43	141982	46.726	ug/l #	89
44) Trichloroethene	9.108	130	155159	48.508	ug/l	94
45) 1,2-Dichloropropane	9.379	63	168288	55.711	ug/l	98
46) Dibromomethane	9.473	93	96479	58.153	ug/l	97
47) Bromodichloromethane	9.655	83	236477	55.707	ug/l	98
48) Methyl methacrylate	9.449	41	107128	70.075	ug/l #	87
49) 1,4-Dioxane	9.449	88	22920	1337.768	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	515759	326.803	ug/l	94
52) Toluene	10.396	92	383562	50.604	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	206158	53.757	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	246984	53.817	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	128498	57.276	ug/l	96
56) Ethyl methacrylate	10.655	69	110722	44.389	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	213529	56.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	335520	280.253	ug/l	96
59) 2-Hexanone	10.973	43	332905	319.953	ug/l	93
60) Dibromochloromethane	11.132	129	155514	55.592	ug/l	99
61) 1,2-Dibromoethane	11.238	107	118681	55.360	ug/l	97
64) Tetrachloroethene	10.867	164	113378	48.096	ug/l	97
65) Chlorobenzene	11.661	112	379209	51.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	157608	57.556	ug/l	98
67) Ethyl Benzene	11.738	91	643219	49.625	ug/l	98
68) m/p-Xylenes	11.843	106	505607	100.404	ug/l	100
69) o-Xylene	12.173	106	238228	51.497	ug/l	96
70) Styrene	12.185	104	418677	52.604	ug/l	98
71) Bromoform	12.349	173	85394	60.592	ug/l #	99
73) Isopropylbenzene	12.467	105	587734	55.986	ug/l	99
74) N-amyl acetate	12.279	43	78710	34.369	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	135386	69.926	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	97823m	67.705	ug/l	
77) Bromobenzene	12.749	156	147788	59.804	ug/l	93
78) n-propylbenzene	12.808	91	692077	52.513	ug/l	99
79) 2-Chlorotoluene	12.896	91	403621	53.042	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	473167	53.208	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	41889	69.601	ug/l	92
82) 4-Chlorotoluene	12.990	91	427288	53.572	ug/l	99
83) tert-Butylbenzene	13.208	119	387312	51.678	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	473892	53.943	ug/l	99
85) sec-Butylbenzene	13.385	105	561748	49.087	ug/l	98
86) p-Isopropyltoluene	13.502	119	450518	48.294	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	249686	50.127	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	249972	49.715	ug/l	99
89) n-Butylbenzene	13.826	91	367969	41.399	ug/l	99
90) Hexachloroethane	14.096	117	93463	48.420	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	217520	50.472	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	19563	65.980	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	86623	35.403	ug/l	100
94) Hexachlorobutadiene	15.249	225	42061	30.506	ug/l	96
95) Naphthalene	15.384	128	204221	42.919	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	76106	35.086	ug/l	99

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

