

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072402.D
 Acq On : 24 Mar 2022 12:36
 Operator : VA/SY
 Sample : N1645-01 2.5ppb
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 25 03:45:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 03:45:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	359403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	609540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	568823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	276204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217220	54.233	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.909	113	225530	52.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.160%			
50) Toluene-d8	10.332	98	760970	48.518	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.040%			
62) 4-Bromofluorobenzene	12.626	95	287189	47.125	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	6841	2.058	ug/l	95
3) Chloromethane	2.209	50	6554	2.219	ug/l	99
4) Vinyl Chloride	2.350	62	6308	2.212	ug/l	91
5) Bromomethane	2.773	94	5875	3.164	ug/l #	73
6) Chloroethane	2.915	64	4622	2.452	ug/l	94
7) Trichlorofluoromethane	3.273	101	14630	2.272	ug/l	98
8) Diethyl Ether	3.709	74	4087	2.298	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	9332	2.273	ug/l	98
10) Methyl Iodide	4.303	142	7005	2.133	ug/l #	91
11) Tert butyl alcohol	5.203	59	3892m	16.759	ug/l	
12) 1,1-Dichloroethene	4.068	96	7835	2.372	ug/l #	72
13) Acrolein	3.938	56	3180	15.345	ug/l	99
14) Allyl chloride	4.720	41	12717	2.202	ug/l	98
15) Acrylonitrile	5.420	53	12212	13.609	ug/l	92
16) Acetone	4.156	43	17470	20.089	ug/l	98
17) Carbon Disulfide	4.415	76	10220	1.517	ug/l #	95
18) Methyl Acetate	4.709	43	7751	3.637	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	23519	2.620	ug/l	97
20) Methylene Chloride	4.967	84	26379	5.047	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	7745	2.120	ug/l	82
22) Diisopropyl ether	6.356	45	32585	2.474	ug/l	95
23) Vinyl Acetate	6.309	43	79188	11.779	ug/l	100
24) 1,1-Dichloroethane	6.267	63	20858	2.685	ug/l #	93
25) 2-Butanone	7.214	43	19462	16.785	ug/l #	85
26) 2,2-Dichloropropane	7.197	77	15704	2.240	ug/l	92
27) cis-1,2-Dichloroethene	7.209	96	11136	2.387	ug/l	96
28) Bromochloromethane	7.550	49	7847	2.509	ug/l	97
29) Tetrahydrofuran	7.567	42	9276	13.605	ug/l	96
30) Chloroform	7.708	83	22941	2.772	ug/l	84
31) Cyclohexane	7.979	56	18878	3.017	ug/l #	33
32) 1,1,1-Trichloroethane	7.897	97	17048	2.319	ug/l	99
36) 1,1-Dichloropropene	8.108	75	12478	2.074	ug/l	96
37) Ethyl Acetate	7.297	43	8067	3.060	ug/l #	76
38) Carbon Tetrachloride	8.091	117	14514	2.122	ug/l	85
39) Methylcyclohexane	9.350	83	12190	1.800	ug/l	97
40) Benzene	8.344	78	37379	2.177	ug/l	96

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41) Methacrylonitrile	7.509	41	5465m	3.557	ug/l	
42) 1,2-Dichloroethane	8.414	62	13747	2.640	ug/l	93
43) Isopropyl Acetate	8.444	43	14054	2.747	ug/l #	92
44) Trichloroethene	9.108	130	10949	2.272	ug/l	74
45) 1,2-Dichloropropane	9.379	63	11704	2.486	ug/l	95
46) Dibromomethane	9.467	93	5980	2.582	ug/l	94
47) Bromodichloromethane	9.650	83	17845	2.643	ug/l	91
48) Methyl methacrylate	9.450	41	7037	2.881	ug/l	91
49) 1,4-Dioxane	9.455	88	1327	47.782	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	36371	13.535	ug/l	97
52) Toluene	10.397	92	24690	2.186	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	15311	2.482	ug/l	91
54) cis-1,3-Dichloropropene	10.085	75	15914	2.232	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	11120	3.152	ug/l #	89
56) Ethyl methacrylate	10.650	69	11093	2.684	ug/l	97
57) 1,3-Dichloropropane	10.938	76	14277	2.411	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	15970	8.595	ug/l	98
59) 2-Hexanone	10.979	43	27707	14.929	ug/l	99
60) Dibromochloromethane	11.132	129	11953	2.611	ug/l	98
61) 1,2-Dibromoethane	11.238	107	9026	2.831	ug/l	96
64) Tetrachloroethene	10.867	164	9103	2.271	ug/l	94
65) Chlorobenzene	11.661	112	30589	2.426	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.732	131	12376	2.482	ug/l	98
67) Ethyl Benzene	11.738	91	47144	2.093	ug/l	94
68) m/p-Xylenes	11.849	106	33745	3.946	ug/l	96
69) o-Xylene	12.179	106	16711	2.043	ug/l	99
70) Styrene	12.185	104	28690	2.008	ug/l	96
71) Bromoform	12.355	173	7023	2.636	ug/l #	92
73) Isopropylbenzene	12.473	105	45890	2.097	ug/l	99
74) N-amyl acetate	12.279	43	14368	3.055	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	12286	3.139	ug/l	91
76) 1,2,3-Trichloropropane	12.773	75	8755m	2.874	ug/l	
77) Bromobenzene	12.749	156	12722	2.582	ug/l	95
78) n-propylbenzene	12.814	91	58055	2.184	ug/l	99
79) 2-Chlorotoluene	12.896	91	34931	2.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	43307	2.303	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	3031m	2.468	ug/l	
82) 4-Chlorotoluene	12.996	91	35753	2.246	ug/l	98
83) tert-Butylbenzene	13.214	119	32320	1.961	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	41167	2.222	ug/l	99
85) sec-Butylbenzene	13.391	105	50414	2.036	ug/l	96
86) p-Isopropyltoluene	13.508	119	38935	1.911	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	25716	2.491	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	25430	2.484	ug/l	80
89) n-Butylbenzene	13.832	91	42045	2.165	ug/l	94
90) Hexachloroethane	14.096	117	9016	2.258	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	23543	2.615	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1644	2.632	ug/l	85
93) 1,2,4-Trichlorobenzene	15.149	180	14530	2.438	ug/l	96
94) Hexachlorobutadiene	15.255	225	8039	2.319	ug/l	97
95) Naphthalene	15.390	128	24669	2.401	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.579	180	12460	2.415	ug/l	98

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

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