

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075664.D
 Acq On : 13 Apr 2023 17:01
 Operator : KP/SY
 Sample : 02213-01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: Apr 14 02:12:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 14 02:12:39 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	182548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	339567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	309161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	140736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95668	55.212	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.420%			
35) Dibromofluoromethane	7.804	113	115095	50.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.780%			
50) Toluene-d8	10.269	98	440588	48.172	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.340%			
62) 4-Bromofluorobenzene	12.575	95	118320	48.671	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4212	2.483	ug/l	92
3) Chloromethane	2.146	50	10120	3.304	ug/l	90
4) Vinyl Chloride	2.275	62	11842	2.914	ug/l	100
5) Bromomethane	2.687	94	11018	3.472	ug/l	96
6) Chloroethane	2.828	64	8623	3.151	ug/l	88
7) Trichlorofluoromethane	3.169	101	8803	2.795	ug/l	94
8) Diethyl Ether	3.593	74	2898	2.957	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.952	101	5906m	2.991	ug/l	
10) Methyl Iodide	4.158	142	6230	2.305	ug/l #	83
11) Tert butyl alcohol	5.046	59	1583	18.204	ug/l #	100
12) 1,1-Dichloroethene	3.928	96	5774	2.824	ug/l #	74
13) Acrolein	3.793	56	2180	12.428	ug/l	87
14) Allyl chloride	4.558	41	5179	2.781	ug/l #	75
15) Acrylonitrile	5.258	53	5681	15.519	ug/l #	88
16) Acetone	4.016	43	5578	17.572	ug/l	92
17) Carbon Disulfide	4.263	76	18744	2.801	ug/l	97
18) Methyl Acetate	4.569	43	3284	3.068	ug/l #	84
19) Methyl tert-butyl Ether	5.310	73	10989	2.769	ug/l	98
20) Methylene Chloride	4.793	84	18836	6.447	ug/l #	65
21) trans-1,2-Dichloroethene	5.305	96	6529	2.681	ug/l #	60
22) Diisopropyl ether	6.216	45	10293	2.446	ug/l #	90
23) Vinyl Acetate	6.157	43	23850m	12.203	ug/l	
24) 1,1-Dichloroethane	6.110	63	9614	2.757	ug/l #	94
25) 2-Butanone	7.087	43	6191	15.147	ug/l	93
26) 2,2-Dichloropropane	7.075	77	10838	3.429	ug/l	80
27) cis-1,2-Dichloroethene	7.063	96	7259m	2.691	ug/l	
28) Bromochloromethane	7.416	49	3135m	2.844	ug/l	
29) Tetrahydrofuran	7.446	42	3231	14.456	ug/l #	63
30) Chloroform	7.593	83	11531	2.917	ug/l #	80
31) Cyclohexane	7.881	56	10385	3.819	ug/l #	46
32) 1,1,1-Trichloroethane	7.781	97	9242	2.868	ug/l	97
36) 1,1-Dichloropropene	8.004	75	7921	2.514	ug/l	95
37) Ethyl Acetate	7.175	43	2923	3.048	ug/l #	91
38) Carbon Tetrachloride	7.993	117	6828	2.461	ug/l	95
39) Methylcyclohexane	9.269	83	8605	2.362	ug/l	99
40) Benzene	8.252	78	24834	2.535	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	1206	2.621	ug/l #	72
42) 1,2-Dichloroethane	8.322	62	6167	2.772	ug/l	82
43) Isopropyl Acetate	8.363	43	4496	2.571	ug/l #	88
44) Trichloroethene	9.028	130	7278	2.625	ug/l	99
45) 1,2-Dichloropropane	9.304	63	5248	2.391	ug/l	91
46) Dibromomethane	9.387	93	3951	2.837	ug/l	88
47) Bromodichloromethane	9.581	83	8415	2.642	ug/l	93
48) Methyl methacrylate	9.387	41	1893	2.430	ug/l #	67
49) 1,4-Dioxane	9.369	88	674m	48.785	ug/l	
51) 4-Methyl-2-Pentanone	10.157	43	11326	12.149	ug/l #	84
52) Toluene	10.334	92	15970	2.452	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	7129	2.335	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	8693	2.396	ug/l #	64
55) 1,1,2-Trichloroethane	10.734	97	5293	2.625	ug/l #	85
56) Ethyl methacrylate	10.598	69	4361	2.198	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	7352	2.402	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.869	63	9107	10.687	ug/l #	89
59) 2-Hexanone	10.922	43	7084	10.807	ug/l	76
60) Dibromochloromethane	11.081	129	5746	2.435	ug/l	94
61) 1,2-Dibromoethane	11.181	107	4612	2.398	ug/l	94
64) Tetrachloroethene	10.810	164	5622	2.525	ug/l	95
65) Chlorobenzene	11.610	112	17307	2.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	5635	2.475	ug/l	88
67) Ethyl Benzene	11.687	91	27199	2.531	ug/l	99
68) m/p-Xylenes	11.798	106	20193	4.585	ug/l	86
69) o-Xylene	12.122	106	8853	2.223	ug/l	98
70) Styrene	12.134	104	15454	2.279	ug/l	93
71) Bromoform	12.298	173	2957	2.485	ug/l #	95
73) Isopropylbenzene	12.422	105	22243	2.408	ug/l	100
74) N-amyl acetate	12.234	43	3620	2.667	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	5765	3.213	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	3675m	3.202	ug/l	
77) Bromobenzene	12.704	156	6919	2.906	ug/l	94
78) n-propylbenzene	12.763	91	30813	2.722	ug/l	99
79) 2-Chlorotoluene	12.851	91	17133	2.668	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	18344	2.382	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	1603m	3.027	ug/l	
82) 4-Chlorotoluene	12.951	91	17263	2.585	ug/l	96
83) tert-Butylbenzene	13.169	119	15544	2.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	18132	2.347	ug/l	96
85) sec-Butylbenzene	13.345	105	24888	2.485	ug/l	98
86) p-Isopropyltoluene	13.463	119	18715	2.244	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	13214	2.667	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	14694	3.002	ug/l	95
89) n-Butylbenzene	13.792	91	19861	2.586	ug/l	98
90) Hexachloroethane	14.057	117	4639	2.800	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	11111	2.618	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.457	75	687	2.856	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	6920	2.803	ug/l	99
94) Hexachlorobutadiene	15.204	225	3163	2.681	ug/l	99
95) Naphthalene	15.333	128	13258	2.835	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	5966	2.746	ug/l	98

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

