

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073689.D
 Acq On : 24 Jun 2022 15:57
 Operator : VA/SY
 Sample : N3214-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jun 25 08:58:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 08:51:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/28/2022
 Supervised By :Semsettin Yesilyurt 06/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	229165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	389199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	375238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	185872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138107	49.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.140%		
35) Dibromofluoromethane	7.908	113	147506	48.652	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.300%		
50) Toluene-d8	10.332	98	488003	44.828	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.660%		
62) 4-Bromofluorobenzene	12.620	95	194493	47.636	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	6625	2.862	ug/l	87
3) Chloromethane	2.209	50	5733	2.740	ug/l	100
4) Vinyl Chloride	2.344	62	5384	2.608	ug/l #	84
5) Bromomethane	2.768	94	4853	3.055	ug/l	83
6) Chloroethane	2.915	64	3863	2.778	ug/l #	87
7) Trichlorofluoromethane	3.262	101	13824	2.863	ug/l	98
8) Diethyl Ether	3.703	74	3768	3.043	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	8242	2.976	ug/l	94
10) Methyl Iodide	4.303	142	6047	2.294	ug/l	95
11) Tert butyl alcohol	5.179	59	30676	49.016	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	6527	2.772	ug/l	84
13) Acrolein	3.909	56	354	7.443	ug/l #	37
14) Allyl chloride	4.703	41	8891	2.561	ug/l	97
15) Acrylonitrile	5.420	53	7993	13.487	ug/l	96
16) Acetone	4.156	43	8671	17.441	ug/l #	85
17) Carbon Disulfide	4.403	76	14928	2.512	ug/l	99
18) Methyl Acetate	4.714	43	7394	4.822	ug/l #	80
19) Methyl tert-butyl Ether	5.467	73	14747	2.405	ug/l	97
20) Methylene Chloride	4.956	84	21770	6.022	ug/l #	87
21) trans-1,2-Dichloroethene	5.462	96	7566	2.701	ug/l	87
22) Diisopropyl ether	6.356	45	16983	2.179	ug/l #	80
23) Vinyl Acetate	6.297	43	39463m	9.657	ug/l	
24) 1,1-Dichloroethane	6.261	63	14226	2.740	ug/l	97
25) 2-Butanone	7.214	43	11016	15.531	ug/l	98
26) 2,2-Dichloropropane	7.203	77	14556	2.976	ug/l	94
27) cis-1,2-Dichloroethene	7.203	96	8268	2.509	ug/l	82
28) Bromochloromethane	7.538	49	5591	3.052	ug/l #	91
29) Tetrahydrofuran	7.567	42	5671	13.151	ug/l #	52
30) Chloroform	7.703	83	14667	2.510	ug/l	97
31) Cyclohexane	7.973	56	14280	3.382	ug/l #	56
32) 1,1,1-Trichloroethane	7.903	97	13756	2.621	ug/l	94
36) 1,1-Dichloropropene	8.108	75	11125	2.614	ug/l	96
37) Ethyl Acetate	7.297	43	4979	2.981	ug/l #	73
38) Carbon Tetrachloride	8.091	117	12146	2.451	ug/l #	86
39) Methylcyclohexane	9.344	83	12238	2.590	ug/l	97
40) Benzene	8.344	78	31413	2.550	ug/l	97

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Reviewed By :Mahesh Dadoda 06/28/2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.503	41	1702	1.688	ug/l #	30
42) 1,2-Dichloroethane	8.420	62	8693	2.342	ug/l	91
43) Isopropyl Acetate	8.450	43	7832	2.389	ug/l #	87
44) Trichloroethene	9.102	130	9120	2.577	ug/l	84
45) 1,2-Dichloropropane	9.379	63	7908	2.560	ug/l	97
46) Dibromomethane	9.467	93	4613	2.573	ug/l	90
47) Bromodichloromethane	9.655	83	11031	2.347	ug/l	97
48) Methyl methacrylate	9.444	41	4252	2.556	ug/l #	87
49) 1,4-Dioxane	9.461	88	925	46.201	ug/l #	78
51) 4-Methyl-2-Pentanone	10.220	43	18848	11.190	ug/l	97
52) Toluene	10.397	92	21033	2.605	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	10629	2.486	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	11436	2.350	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	6691	2.647	ug/l	90
56) Ethyl methacrylate	10.649	69	6190	2.173	ug/l	96
57) 1,3-Dichloropropane	10.932	76	10187	2.444	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	13530	12.238	ug/l	99
59) 2-Hexanone	10.973	43	13677	12.027	ug/l	97
60) Dibromochloromethane	11.126	129	8065	2.421	ug/l	91
61) 1,2-Dibromoethane	11.238	107	6408	2.678	ug/l	91
64) Tetrachloroethene	10.867	164	8395	2.826	ug/l	89
65) Chlorobenzene	11.661	112	23487	2.557	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.726	131	8950	2.425	ug/l	95
67) Ethyl Benzene	11.732	91	37453	2.337	ug/l	98
68) m/p-Xylenes	11.844	106	28321	4.573	ug/l	97
69) o-Xylene	12.167	106	12445	2.166	ug/l	98
70) Styrene	12.185	104	20759	2.065	ug/l	98
71) Bromoform	12.349	173	5090	2.534	ug/l #	97
73) Isopropylbenzene	12.467	105	32487	2.140	ug/l	96
74) N-amyl acetate	12.273	43	7576	2.439	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	7849	2.741	ug/l	97
76) 1,2,3-Trichloropropane	12.761	75	7439m	4.113	ug/l	
77) Bromobenzene	12.749	156	9670	2.649	ug/l	98
78) n-propylbenzene	12.808	91	46140	2.487	ug/l	99
79) 2-Chlorotoluene	12.891	91	27675	2.561	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	31819	2.445	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	2295m	2.590	ug/l	
82) 4-Chlorotoluene	12.991	91	26417	2.300	ug/l	94
83) tert-Butylbenzene	13.208	119	24427	2.136	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	29971	2.345	ug/l	95
85) sec-Butylbenzene	13.385	105	38180	2.270	ug/l	99
86) p-Isopropyltoluene	13.502	119	28905	2.064	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	20367	2.680	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	20091	2.671	ug/l	90
89) n-Butylbenzene	13.826	91	28740	2.192	ug/l	95
90) Hexachloroethane	14.090	117	7417	2.569	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	15690	2.399	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.479	75	1073	2.245	ug/l	89
93) 1,2,4-Trichlorobenzene	15.137	180	9529	2.440	ug/l	98
94) Hexachlorobutadiene	15.243	225	5850	2.642	ug/l	99
95) Naphthalene	15.379	128	16333	2.339	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	8687	2.546	ug/l	96

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

