

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012623\
 Data File : VD075212.D
 Acq On : 26 Jan 2023 15:39
 Operator : KP/SY
 Sample : MDL06
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/27/2023
 Supervised By :Mahesh Dadoda 01/27/2023

Quant Time: Jan 27 02:32:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 27 02:32:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	62041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	113722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	100800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	44236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35633	56.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.580%			
35) Dibromofluoromethane	7.810	113	36342	52.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.780%			
50) Toluene-d8	10.275	98	139737	51.645	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.575	95	41653	48.506	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	1663	3.078	ug/l	88
3) Chloromethane	2.146	50	2792	3.484	ug/l	90
4) Vinyl Chloride	2.281	62	2392	2.782	ug/l	96
5) Bromomethane	2.699	94	2168	3.707	ug/l	95
6) Chloroethane	2.846	64	1847	3.098	ug/l	99
7) Trichlorofluoromethane	3.181	101	3596	3.290	ug/l	98
8) Diethyl Ether	3.599	74	938	2.663	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	2044	3.029	ug/l #	93
10) Methyl Iodide	4.175	142	1888	2.078	ug/l #	85
11) Tert butyl alcohol	5.052	59	677m	15.329	ug/l	
12) 1,1-Dichloroethene	3.946	96	2254	3.173	ug/l	85
13) Acrolein	3.799	56	636	14.826	ug/l #	64
14) Allyl chloride	4.569	41	3150	2.732	ug/l	93
15) Acrylonitrile	5.269	53	1985	13.329	ug/l	97
16) Acetone	4.010	43	2436	14.589	ug/l #	79
17) Carbon Disulfide	4.269	76	6438	2.794	ug/l #	94
18) Methyl Acetate	4.558	43	1620	3.569	ug/l #	61
19) Methyl tert-butyl Ether	5.334	73	4228	2.849	ug/l #	52
20) Methylene Chloride	4.805	84	5920	5.623	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	2428	3.070	ug/l #	89
22) Diisopropyl ether	6.216	45	6112	2.848	ug/l #	93
23) Vinyl Acetate	6.163	43	10265	10.854	ug/l #	86
24) 1,1-Dichloroethane	6.116	63	4152	3.079	ug/l #	80
25) 2-Butanone	7.087	43	3213	15.921	ug/l #	77
26) 2,2-Dichloropropane	7.069	77	3830	3.186	ug/l	83
27) cis-1,2-Dichloroethene	7.075	96	2668	3.095	ug/l	94
28) Bromochloromethane	7.434	49	1072	2.912	ug/l #	81
29) Tetrahydrofuran	7.451	42	1650	14.335	ug/l #	80
30) Chloroform	7.593	83	4347	3.233	ug/l	91
31) Cyclohexane	7.881	56	5451	4.293	ug/l #	88
32) 1,1,1-Trichloroethane	7.799	97	3517	3.036	ug/l	98
36) 1,1-Dichloropropene	8.010	75	3220	2.916	ug/l	92
37) Ethyl Acetate	7.181	43	1157m	2.601	ug/l	
38) Carbon Tetrachloride	7.998	117	2441	2.626	ug/l	87
39) Methylcyclohexane	9.281	83	3942	2.897	ug/l #	86
40) Benzene	8.251	78	8903	2.828	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	385m	1.438	ug/l	
42) 1,2-Dichloroethane	8.328	62	2426	2.933	ug/l #	74
43) Isopropyl Acetate	8.363	43	2337	2.700	ug/l #	83
44) Trichloroethene	9.034	130	2634	2.975	ug/l	97
45) 1,2-Dichloropropane	9.310	63	2114	2.726	ug/l	93
46) Dibromomethane	9.393	93	1164	2.846	ug/l #	82
47) Bromodichloromethane	9.581	83	2832	2.791	ug/l #	77
48) Methyl methacrylate	9.387	41	1135	2.681	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	5689	13.686	ug/l	95
52) Toluene	10.340	92	5800	2.915	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	2583	2.690	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	3099	2.642	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	1313	2.426	ug/l	95
56) Ethyl methacrylate	10.604	69	1555	2.389	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	2657	2.856	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.869	63	3134	14.069	ug/l	98
59) 2-Hexanone	10.928	43	3763	12.520	ug/l	95
60) Dibromochloromethane	11.075	129	1673	2.564	ug/l	83
61) 1,2-Dibromoethane	11.175	107	1460	2.823	ug/l	93
64) Tetrachloroethene	10.810	164	2488	3.456	ug/l #	85
65) Chlorobenzene	11.610	112	6124	2.965	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.681	131	2011	2.895	ug/l	96
67) Ethyl Benzene	11.687	91	10428	2.805	ug/l	93
68) m/p-Xylenes	11.798	106	7524	5.239	ug/l	95
69) o-Xylene	12.128	106	3793	2.815	ug/l	91
70) Styrene	12.139	104	6094	2.721	ug/l	98
71) Bromoform	12.298	173	854	2.381	ug/l #	82
73) Isopropylbenzene	12.422	105	9727	2.784	ug/l	97
74) N-amyl acetate	12.239	43	1829	2.390	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	1700	3.054	ug/l #	88
76) 1,2,3-Trichloropropane	12.728	75	1270m	3.390	ug/l	
77) Bromobenzene	12.710	156	2273	2.848	ug/l	99
78) n-propylbenzene	12.769	91	13191	3.072	ug/l	99
79) 2-Chlorotoluene	12.851	91	7084	3.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.910	105	8188	2.860	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	277m	1.715	ug/l	
82) 4-Chlorotoluene	12.951	91	6753	2.781	ug/l	95
83) tert-Butylbenzene	13.169	119	7231	2.919	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	7200	2.561	ug/l	95
85) sec-Butylbenzene	13.351	105	10803	2.871	ug/l	99
86) p-Isopropyltoluene	13.463	119	7956	2.583	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	4475	2.893	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	4983	3.274	ug/l	93
89) n-Butylbenzene	13.792	91	8685	2.893	ug/l	98
90) Hexachloroethane	14.063	117	1706	3.136	ug/l	86
91) 1,2-Dichlorobenzene	13.839	146	4085	3.086	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	133	1.562	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.104	180	2367	2.723	ug/l	95
94) Hexachlorobutadiene	15.210	225	1115	2.618	ug/l	95
95) Naphthalene	15.339	128	4930	2.849	ug/l	97
96) 1,2,3-Trichlorobenzene	15.528	180	2078	2.802	ug/l	97

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

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