

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012623\
 Data File : VD075213.D
 Acq On : 26 Jan 2023 16:06
 Operator : KP/SY
 Sample : MDL07
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

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

Quant Time: Jan 27 02:40:42 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	7.875	168	61547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	110849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	97681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	42611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34342	54.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.360%			
35) Dibromofluoromethane	7.810	113	35098	52.399	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.800%			
50) Toluene-d8	10.269	98	135853	51.511	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.575	95	40910	48.876	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	1630	3.041	ug/l	93
3) Chloromethane	2.152	50	2543	3.199	ug/l #	87
4) Vinyl Chloride	2.281	62	2551	2.990	ug/l	97
5) Bromomethane	2.699	94	1748	3.013	ug/l	83
6) Chloroethane	2.840	64	1654	2.796	ug/l	93
7) Trichlorofluoromethane	3.181	101	3070	2.831	ug/l #	82
8) Diethyl Ether	3.593	74	1048	3.000	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.952	101	2064	3.083	ug/l #	59
10) Methyl Iodide	4.158	142	1578	1.751	ug/l #	88
11) Tert butyl alcohol	5.046	59	389	8.878	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	1925	2.732	ug/l #	76
13) Acrolein	3.799	56	416	9.775	ug/l	88
14) Allyl chloride	4.575	41	2952m	2.581	ug/l	
15) Acrylonitrile	5.252	53	2041	13.815	ug/l #	73
16) Acetone	4.017	43	2037	12.298	ug/l #	84
17) Carbon Disulfide	4.264	76	6639	2.905	ug/l	98
18) Methyl Acetate	4.581	43	1553	3.449	ug/l #	60
19) Methyl tert-butyl Ether	5.322	73	3921m	2.663	ug/l	
20) Methylene Chloride	4.799	84	5845	5.596	ug/l	100
21) trans-1,2-Dichloroethene	5.305	96	2302	2.934	ug/l #	83
22) Diisopropyl ether	6.216	45	5736	2.695	ug/l	94
23) Vinyl Acetate	6.163	43	12036m	12.829	ug/l	
24) 1,1-Dichloroethane	6.128	63	3531	2.639	ug/l #	80
25) 2-Butanone	7.081	43	2945	14.710	ug/l	96
26) 2,2-Dichloropropane	7.075	77	3563	2.988	ug/l #	70
27) cis-1,2-Dichloroethene	7.081	96	2252	2.633	ug/l	87
28) Bromochloromethane	7.434	49	1196	3.275	ug/l #	84
29) Tetrahydrofuran	7.457	42	1433	12.550	ug/l #	69
30) Chloroform	7.599	83	3740	2.804	ug/l #	58
31) Cyclohexane	7.875	56	4665	3.704	ug/l #	74
32) 1,1,1-Trichloroethane	7.793	97	3092	2.690	ug/l	95
36) 1,1-Dichloropropene	8.005	75	2931	2.723	ug/l	96
37) Ethyl Acetate	7.175	43	1346	3.104	ug/l #	67
38) Carbon Tetrachloride	7.993	117	2066	2.280	ug/l	97
39) Methylcyclohexane	9.275	83	3385	2.552	ug/l	95
40) Benzene	8.252	78	8850	2.884	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	625	2.396	ug/l #	37
42) 1,2-Dichloroethane	8.322	62	2168	2.689	ug/l #	74
43) Isopropyl Acetate	8.363	43	1970	2.335	ug/l #	65
44) Trichloroethene	9.028	130	2159	2.502	ug/l	89
45) 1,2-Dichloropropane	9.299	63	1911	2.528	ug/l	96
46) Dibromomethane	9.387	93	1115	2.797	ug/l	85
47) Bromodichloromethane	9.581	83	2684	2.713	ug/l #	93
48) Methyl methacrylate	9.381	41	1032	2.501	ug/l	94
49) 1,4-Dioxane	9.387	88	53	13.924	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	4646	11.467	ug/l	97
52) Toluene	10.334	92	5288	2.726	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	2406	2.571	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	2952	2.582	ug/l	89
55) 1,1,2-Trichloroethane	10.734	97	1431	2.712	ug/l #	73
56) Ethyl methacrylate	10.604	69	1640	2.585	ug/l	96
57) 1,3-Dichloropropane	10.881	76	2349	2.591	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	2836	13.061	ug/l	94
59) 2-Hexanone	10.922	43	3341	11.404	ug/l	92
60) Dibromochloromethane	11.075	129	1539	2.420	ug/l	94
61) 1,2-Dibromoethane	11.181	107	1362	2.702	ug/l	90
64) Tetrachloroethene	10.810	164	1927	2.763	ug/l	92
65) Chlorobenzene	11.610	112	5390	2.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.693	131	1577	2.342	ug/l	80
67) Ethyl Benzene	11.687	91	9357	2.597	ug/l	99
68) m/p-Xylenes	11.793	106	7061	5.073	ug/l	98
69) o-Xylene	12.128	106	3353	2.568	ug/l	94
70) Styrene	12.140	104	5140	2.368	ug/l	97
71) Bromoform	12.310	173	729	2.097	ug/l #	27
73) Isopropylbenzene	12.428	105	8884	2.639	ug/l	94
74) N-amyl acetate	12.234	43	1736	2.355	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	1533	2.859	ug/l #	93
76) 1,2,3-Trichloropropane	12.722	75	907m	2.513	ug/l	
77) Bromobenzene	12.704	156	1967	2.559	ug/l	88
78) n-propylbenzene	12.769	91	11273	2.726	ug/l	99
79) 2-Chlorotoluene	12.857	91	6013	2.643	ug/l	98
80) 1,3,5-Trimethylbenzene	12.910	105	7224	2.620	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.481	75	311m	1.999	ug/l	
82) 4-Chlorotoluene	12.951	91	6392	2.733	ug/l	95
83) tert-Butylbenzene	13.169	119	6474	2.713	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	6430	2.374	ug/l	95
85) sec-Butylbenzene	13.345	105	9217	2.543	ug/l	99
86) p-Isopropyltoluene	13.469	119	7334	2.471	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	4342	2.914	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	4289	2.925	ug/l	89
89) n-Butylbenzene	13.792	91	7695	2.661	ug/l	97
90) Hexachloroethane	14.057	117	1327	2.532	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	3428	2.689	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	137	1.671	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.104	180	2038	2.434	ug/l	92
94) Hexachlorobutadiene	15.216	225	1118	2.725	ug/l	91
95) Naphthalene	15.339	128	3942	2.365	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.534	180	1674	2.343	ug/l	94

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

