

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030824\
 Data File : VD078620.D
 Acq On : 08 Mar 2024 17:00
 Operator : RP/MD
 Sample : MDL02
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

Quant Time: Mar 09 03:34:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 09 03:32:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	104246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	189424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	178730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	80699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56545	54.719	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.440%			
35) Dibromofluoromethane	7.805	113	60032	48.720	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.440%			
50) Toluene-d8	10.269	98	212929	44.471	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.940%			
62) 4-Bromofluorobenzene	12.569	95	55955	40.916	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2388	2.551	ug/l	97
3) Chloromethane	2.152	50	5562	3.300	ug/l	99
4) Vinyl Chloride	2.281	62	7961	3.107	ug/l	90
5) Bromomethane	2.681	94	6042	2.952	ug/l	93
6) Chloroethane	2.828	64	5757	3.031	ug/l #	84
7) Trichlorofluoromethane	3.164	101	4884	2.819	ug/l	88
8) Diethyl Ether	3.575	74	1179m	2.423	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.969	101	2229m	2.041	ug/l	
10) Methyl Iodide	4.164	142	1954	1.710	ug/l #	84
11) Tert butyl alcohol	5.063	59	1306m	24.352	ug/l	
12) 1,1-Dichloroethene	3.934	96	2316	2.272	ug/l #	60
13) Acrolein	3.805	56	1411	13.768	ug/l #	66
14) Allyl chloride	4.558	41	2713	2.337	ug/l	94
15) Acrylonitrile	5.258	53	2708m	13.501	ug/l	
16) Acetone	4.028	43	3641	18.391	ug/l #	74
17) Carbon Disulfide	4.258	76	7859	2.314	ug/l #	93
18) Methyl Acetate	4.564	43	1930	5.150	ug/l #	51
20) Methylene Chloride	4.793	84	19137	9.640	ug/l	91
21) trans-1,2-Dichloroethene	5.299	96	3139	2.563	ug/l #	73
22) Diisopropyl ether	6.228	45	5269	2.024	ug/l #	93
23) Vinyl Acetate	6.163	43	13583	8.785	ug/l #	90
24) 1,1-Dichloroethane	6.116	63	5194	2.641	ug/l #	77
25) 2-Butanone	7.075	43	3737m	14.964	ug/l	
26) 2,2-Dichloropropane	7.075	77	4472	2.692	ug/l #	65
27) cis-1,2-Dichloroethene	7.087	96	3179	2.370	ug/l	84
28) Bromochloromethane	7.410	49	1979	2.693	ug/l #	23
29) Tetrahydrofuran	7.452	42	1707	12.303	ug/l #	72
30) Chloroform	7.593	83	5090	2.397	ug/l	87
31) Cyclohexane	7.875	56	5341	3.302	ug/l #	44
32) 1,1,1-Trichloroethane	7.787	97	4303	2.362	ug/l #	38
36) 1,1-Dichloropropene	8.016	75	3461	2.030	ug/l	96
37) Ethyl Acetate	7.163	43	1329	2.406	ug/l #	67
38) Carbon Tetrachloride	7.987	117	3583	2.009	ug/l	94
39) Methylcyclohexane	9.275	83	3979	1.988	ug/l	89
40) Benzene	8.252	78	10772	2.131	ug/l	95
41) Methacrylonitrile	7.410	41	662m	2.236	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.334	62	3637	2.837	ug/l	93
43) Isopropyl Acetate	8.363	43	2672	2.523	ug/l #	64
44) Trichloroethene	9.028	130	3271	2.359	ug/l	94
45) 1,2-Dichloropropane	9.299	63	2747	2.263	ug/l #	79
46) Dibromomethane	9.393	93	1775	2.536	ug/l #	75
47) Bromodichloromethane	9.581	83	3747	2.171	ug/l #	75
48) Methyl methacrylate	9.381	41	1108	2.309	ug/l #	72
49) 1,4-Dioxane	9.381	88	79	11.333	ug/l #	33
51) 4-Methyl-2-Pentanone	10.163	43	6152	11.253	ug/l #	85
52) Toluene	10.328	92	7246	2.234	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	3046	1.908	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	4171	2.182	ug/l #	89
55) 1,1,2-Trichloroethane	10.728	97	2279	2.313	ug/l #	88
56) Ethyl methacrylate	10.604	69	1585	1.605	ug/l	98
57) 1,3-Dichloropropane	10.875	76	3685	2.307	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	4525	10.117	ug/l	95
59) 2-Hexanone	10.928	43	4966	12.247	ug/l	78
60) Dibromochloromethane	11.075	129	2689	2.260	ug/l	99
61) 1,2-Dibromoethane	11.181	107	1996	2.207	ug/l	85
64) Tetrachloroethene	10.810	164	2692	2.394	ug/l	90
65) Chlorobenzene	11.604	112	8003	2.274	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	2876	2.195	ug/l	99
67) Ethyl Benzene	11.681	91	11372	1.865	ug/l	99
68) m/p-Xylenes	11.793	106	8574	3.475	ug/l	100
69) o-Xylene	12.122	106	3523	1.574	ug/l	88
70) Styrene	12.134	104	5388	1.389	ug/l #	92
71) Bromoform	12.298	173	1502	2.155	ug/l #	68
73) Isopropylbenzene	12.422	105	9301	1.818	ug/l	99
74) N-amyl acetate	12.228	43	1879	2.182	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	2561	2.613	ug/l	90
76) 1,2,3-Trichloropropane	12.722	75	1933m	3.136	ug/l	
77) Bromobenzene	12.698	156	3047	2.463	ug/l	89
78) n-propylbenzene	12.763	91	13811	2.207	ug/l	93
79) 2-Chlorotoluene	12.845	91	7093	2.112	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	7806	1.875	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	549m	1.907	ug/l	
82) 4-Chlorotoluene	12.945	91	7712	2.155	ug/l	96
83) tert-Butylbenzene	13.163	119	6898	1.925	ug/l	79
84) 1,2,4-Trimethylbenzene	13.210	105	7730	1.817	ug/l	90
85) sec-Butylbenzene	13.345	105	9680	1.731	ug/l	98
86) p-Isopropyltoluene	13.457	119	8291	1.761	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	5548	2.099	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	6363	2.403	ug/l	87
89) n-Butylbenzene	13.781	91	9217	2.095	ug/l	95
90) Hexachloroethane	14.057	117	2463	2.573	ug/l	85
91) 1,2-Dichlorobenzene	13.822	146	4861	2.165	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.439	75	284	2.174	ug/l	72
93) 1,2,4-Trichlorobenzene	15.092	180	3293	2.477	ug/l	90
94) Hexachlorobutadiene	15.198	225	1716	2.346	ug/l	96
95) Naphthalene	15.322	128	4820	2.051	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.510	180	2583	2.187	ug/l	91

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

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

