

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078717.D
 Acq On : 20 Mar 2024 13:59
 Operator : RP/MD
 Sample : MDL05
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

03/21/2024
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Mar 21 11:49:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	94117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	174622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	161983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	72336	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51882	58.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.640%	
35) Dibromofluoromethane	7.804	113	60058	53.418	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.840%	
50) Toluene-d8	10.269	98	210524	50.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	12.575	95	56838	46.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.980%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	2097	2.394	ug/l	99
3) Chloromethane	2.152	50	2924	2.114	ug/l #	80
4) Vinyl Chloride	2.287	62	4101	2.010	ug/l	96
5) Bromomethane	2.699	94	4501	2.304	ug/l	99
6) Chloroethane	2.840	64	3765	2.366	ug/l	90
7) Trichlorofluoromethane	3.175	101	4087	2.532	ug/l	88
8) Diethyl Ether	3.587	74	831	1.763	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.952	101	1363	1.346	ug/l #	43
10) Methyl Iodide	4.175	142	2044	1.706	ug/l #	61
11) Tert butyl alcohol	5.052	59	297	7.524	ug/l #	75
12) 1,1-Dichloroethene	3.940	96	2017	2.095	ug/l #	83
13) Acrolein	3.805	56	1365	22.075	ug/l	83
14) Allyl chloride	4.575	41	2331	2.169	ug/l #	76
15) Acrylonitrile	5.258	53	2588	13.623	ug/l #	82
16) Acetone	4.016	43	3031	17.771	ug/l #	80
17) Carbon Disulfide	4.269	76	4212	1.334	ug/l #	75
18) Methyl Acetate	4.569	43	1620	4.426	ug/l #	56
19) Methyl tert-butyl Ether	5.310	73	2032	1.046	ug/l #	78
20) Methylene Chloride	4.805	84	7462	1.713	ug/l #	82
21) trans-1,2-Dichloroethene	5.328	96	2399	2.111	ug/l #	54
22) Diisopropyl ether	6.216	45	5603	2.294	ug/l #	86
23) Vinyl Acetate	6.157	43	10317	7.220	ug/l #	90
24) 1,1-Dichloroethane	6.110	63	5039	2.751	ug/l #	80
25) 2-Butanone	7.081	43	3551	15.660	ug/l #	71
26) 2,2-Dichloropropane	7.075	77	4249	2.742	ug/l	83
27) cis-1,2-Dichloroethene	7.093	96	3123	2.410	ug/l	81
28) Bromochloromethane	7.434	49	1648	2.524	ug/l #	94
29) Tetrahydrofuran	7.446	42	1302	10.556	ug/l	92
30) Chloroform	7.599	83	5499	2.693	ug/l	97
31) Cyclohexane	7.881	56	4591	3.097	ug/l #	90
32) 1,1,1-Trichloroethane	7.793	97	4100	2.366	ug/l	93
36) 1,1-Dichloropropene	8.010	75	3182	1.951	ug/l	94
37) Ethyl Acetate	7.181	43	884	1.659	ug/l #	63
38) Carbon Tetrachloride	7.999	117	3831	2.228	ug/l #	83
39) Methylcyclohexane	9.269	83	3173	1.677	ug/l	95
40) Benzene	8.246	78	10884	2.207	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.422	41	655	2.345	ug/l	#	58
42) 1,2-Dichloroethane	8.328	62	3208	2.668	ug/l		83
43) Isopropyl Acetate	8.369	43	2019	2.083	ug/l	#	79
44) Trichloroethene	9.034	130	2783	2.080	ug/l		55
45) 1,2-Dichloropropane	9.310	63	2743	2.345	ug/l	#	82
46) Dibromomethane	9.393	93	1457	2.078	ug/l		92
47) Bromodichloromethane	9.587	83	4389	2.629	ug/l	#	79
48) Methyl methacrylate	9.375	41	1248	2.643	ug/l	#	69
49) 1,4-Dioxane	9.375	88	64	9.857	ug/l	#	64
51) 4-Methyl-2-Pentanone	10.163	43	5608	11.068	ug/l		99
52) Toluene	10.328	92	6573	2.070	ug/l		96
53) t-1,3-Dichloropropene	10.551	75	3570	2.339	ug/l	#	81
54) cis-1,3-Dichloropropene	10.022	75	3973	2.165	ug/l	#	69
55) 1,1,2-Trichloroethane	10.734	97	2340	2.492	ug/l		89
56) Ethyl methacrylate	10.598	69	1706	1.812	ug/l		94
57) 1,3-Dichloropropane	10.881	76	3735	2.465	ug/l		91
58) 2-Chloroethyl Vinyl ether	9.869	63	4637	11.171	ug/l		97
59) 2-Hexanone	10.928	43	4100	10.916	ug/l		97
60) Dibromochloromethane	11.075	129	2744	2.370	ug/l		91
61) 1,2-Dibromoethane	11.181	107	1894	2.084	ug/l		97
64) Tetrachloroethene	10.816	164	2487	2.320	ug/l		88
65) Chlorobenzene	11.610	112	7876	2.327	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.687	131	3187	2.571	ug/l		99
67) Ethyl Benzene	11.687	91	12390	2.148	ug/l		97
68) m/p-Xylenes	11.792	106	8219	3.509	ug/l		96
69) o-Xylene	12.122	106	4058	1.873	ug/l		97
70) Styrene	12.134	104	5334	1.466	ug/l		96
71) Bromoform	12.292	173	1737	2.593	ug/l	#	91
73) Isopropylbenzene	12.422	105	9935	2.086	ug/l		93
74) N-amyl acetate	12.234	43	1594	2.061	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	2672	3.031	ug/l	#	94
76) 1,2,3-Trichloropropane	12.722	75	1874	3.363	ug/l	#	100
77) Bromobenzene	12.710	156	3168	2.682	ug/l		91
78) n-propylbenzene	12.763	91	13128	2.265	ug/l		97
79) 2-Chlorotoluene	12.851	91	7697	2.420	ug/l		90
80) 1,3,5-Trimethylbenzene	12.910	105	8973	2.278	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.575	75	29662	111.566	ug/l	#	19
82) 4-Chlorotoluene	12.945	91	7864	2.338	ug/l		99
83) tert-Butylbenzene	13.175	119	7595	2.236	ug/l		96
84) 1,2,4-Trimethylbenzene	13.216	105	7613	1.918	ug/l		94
85) sec-Butylbenzene	13.345	105	11125	2.165	ug/l		96
86) p-Isopropyltoluene	13.463	119	9109	2.070	ug/l		98
87) 1,3-Dichlorobenzene	13.457	146	5865	2.353	ug/l		96
88) 1,4-Dichlorobenzene	13.539	146	6593	2.684	ug/l		88
89) n-Butylbenzene	13.792	91	9057	2.279	ug/l		98
90) Hexachloroethane	14.051	117	2335	2.565	ug/l		82
91) 1,2-Dichlorobenzene	13.834	146	5057	2.356	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	204	1.730	ug/l		54
93) 1,2,4-Trichlorobenzene	15.104	180	2722	2.173	ug/l		98
94) Hexachlorobutadiene	15.210	225	1887	2.782	ug/l		97
95) Naphthalene	15.333	128	4442	2.039	ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.528	180	2644	2.439	ug/l		91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

