

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078943.D
 Acq On : 16 May 2024 12:45
 Operator : RP/MD
 Sample : P2403-03 4 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: May 17 06:55:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 06:53:52 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024
 Supervised By :Mahesh Dadoda 05/17/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	112842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	197112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	64593	61.026	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.060%			
35) Dibromofluoromethane	7.810	113	74444	56.736	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.480%			
50) Toluene-d8	10.269	98	273731	55.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.300%			
62) 4-Bromofluorobenzene	12.575	95	72682	52.598	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4282	4.061	ug/l	88
3) Chloromethane	2.152	50	7775	4.838	ug/l	92
4) Vinyl Chloride	2.287	62	11241	4.625	ug/l	98
5) Bromomethane	2.693	94	11402	4.854	ug/l	95
6) Chloroethane	2.840	64	9133	4.525	ug/l	94
7) Trichlorofluoromethane	3.181	101	8750	3.959	ug/l	87
8) Diethyl Ether	3.587	74	1952	3.519	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.963	101	5489	4.704	ug/l	93
10) Methyl Iodide	4.169	142	5348	3.836	ug/l #	97
11) Tert butyl alcohol	5.052	59	1517m	30.076	ug/l	
12) 1,1-Dichloroethene	3.940	96	5478	4.795	ug/l #	72
13) Acrolein	3.793	56	1776m	16.855	ug/l	
14) Allyl chloride	4.563	41	4843	4.345	ug/l #	73
15) Acrylonitrile	5.263	53	4484	21.916	ug/l #	91
16) Acetone	4.022	43	3935	23.316	ug/l #	71
17) Carbon Disulfide	4.275	76	17160	4.669	ug/l #	95
18) Methyl Acetate	4.569	43	1981	5.098	ug/l #	70
19) Methyl tert-butyl Ether	5.322	73	9234	4.149	ug/l #	87
20) Methylene Chloride	4.799	84	11281	6.470	ug/l	94
21) trans-1,2-Dichloroethene	5.322	96	6233m	4.895	ug/l	
22) Diisopropyl ether	6.222	45	9358	3.712	ug/l	93
23) Vinyl Acetate	6.163	43	27223	18.003	ug/l	95
24) 1,1-Dichloroethane	6.116	63	9554	4.780	ug/l #	90
25) 2-Butanone	7.099	43	5309	23.520	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	8428	4.799	ug/l	92
27) cis-1,2-Dichloroethene	7.093	96	6135	4.103	ug/l	84
28) Bromochloromethane	7.428	49	3501	5.253	ug/l #	77
29) Tetrahydrofuran	7.457	42	2754	21.094	ug/l	91
30) Chloroform	7.599	83	10030	4.431	ug/l	88
31) Cyclohexane	7.887	56	8048	5.204	ug/l #	91
32) 1,1,1-Trichloroethane	7.793	97	8831	4.555	ug/l #	88
36) 1,1-Dichloropropene	8.004	75	6263	3.836	ug/l	99
37) Ethyl Acetate	7.169	43	1970	3.540	ug/l #	64
38) Carbon Tetrachloride	7.993	117	7954	4.163	ug/l #	79
39) Methylcyclohexane	9.269	83	6554	3.304	ug/l	95
40) Benzene	8.251	78	22557	4.271	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1474m	4.923	ug/l	
42) 1,2-Dichloroethane	8.328	62	5838	4.567	ug/l	86
43) Isopropyl Acetate	8.363	43	4185	4.239	ug/l #	85
44) Trichloroethene	9.028	130	5614	4.008	ug/l	97
45) 1,2-Dichloropropane	9.304	63	4842	4.172	ug/l #	80
46) Dibromomethane	9.398	93	3092	4.047	ug/l	91
47) Bromodichloromethane	9.581	83	8046	4.375	ug/l #	84
48) Methyl methacrylate	9.387	41	1499	3.119	ug/l #	87
49) 1,4-Dioxane	9.387	88	256	38.094	ug/l #	52
51) 4-Methyl-2-Pentanone	10.163	43	8942	17.003	ug/l	96
52) Toluene	10.334	92	13980	4.135	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	6618	4.235	ug/l	89
54) cis-1,3-Dichloropropene	10.016	75	7408	3.950	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	4195	4.250	ug/l #	75
56) Ethyl methacrylate	10.593	69	3617	3.562	ug/l	95
57) 1,3-Dichloropropane	10.881	76	6567	4.273	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	7624	17.473	ug/l	99
59) 2-Hexanone	10.922	43	6720	18.358	ug/l	93
60) Dibromochloromethane	11.075	129	5201	3.865	ug/l	95
61) 1,2-Dibromoethane	11.181	107	3434	3.816	ug/l	83
64) Tetrachloroethene	10.810	164	4576	3.846	ug/l #	89
65) Chlorobenzene	11.604	112	16582	4.251	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.675	131	6259	4.641	ug/l	88
67) Ethyl Benzene	11.687	91	23379	3.726	ug/l #	86
68) m/p-Xylenes	11.792	106	18339	7.189	ug/l	98
69) o-Xylene	12.122	106	7667	3.297	ug/l	86
70) Styrene	12.134	104	14410	3.496	ug/l	97
71) Bromoform	12.298	173	2968	3.842	ug/l #	87
73) Isopropylbenzene	12.422	105	19358	3.576	ug/l	97
74) N-amyl acetate	12.228	43	3508	3.993	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.675	83	4675	4.787	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	3103m	4.859	ug/l	
77) Bromobenzene	12.698	156	6163	4.329	ug/l	95
78) n-propylbenzene	12.763	91	26531	4.054	ug/l	99
79) 2-Chlorotoluene	12.845	91	14467	3.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	16753	3.724	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	1275	3.959	ug/l #	88
82) 4-Chlorotoluene	12.945	91	15017	3.936	ug/l	100
83) tert-Butylbenzene	13.163	119	14010	3.522	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	15316	3.287	ug/l	97
85) sec-Butylbenzene	13.345	105	20760	3.498	ug/l	95
86) p-Isopropyltoluene	13.463	119	17569	3.398	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	12238	4.062	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	11877	4.025	ug/l	85
89) n-Butylbenzene	13.786	91	15982	3.450	ug/l	97
90) Hexachloroethane	14.051	117	5145	4.718	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	10738	4.260	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	547	4.207	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	5326	3.598	ug/l	97
94) Hexachlorobutadiene	15.204	225	2965	3.833	ug/l	92
95) Naphthalene	15.328	128	9544	3.786	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.516	180	4864	3.694	ug/l	91

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

