

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078926.D
 Acq On : 15 May 2024 12:08
 Operator : RP/MD
 Sample : P2403-01 4 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: May 16 02:41:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 02:40:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024
 Supervised By :Semsettin Yesilyurt 05/16/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	111225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	201189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48515	46.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.000%		
35) Dibromofluoromethane	7.810	113	58917	43.993	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.980%		
50) Toluene-d8	10.269	98	219746	43.769	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.540%		
62) 4-Bromofluorobenzene	12.575	95	57042	40.443	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4132	3.976	ug/l	92
3) Chloromethane	2.152	50	7569	4.778	ug/l	94
4) Vinyl Chloride	2.287	62	10701	4.467	ug/l	97
5) Bromomethane	2.699	94	11556	4.991	ug/l	98
6) Chloroethane	2.840	64	8853	4.450	ug/l	95
7) Trichlorofluoromethane	3.175	101	8152	3.742	ug/l	98
8) Diethyl Ether	3.599	74	2117	3.872	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	4847	4.214	ug/l	96
10) Methyl Iodide	4.164	142	5126	3.730	ug/l #	78
11) Tert butyl alcohol	5.069	59	926m	18.626	ug/l	
12) 1,1-Dichloroethene	3.946	96	4697	4.172	ug/l #	80
13) Acrolein	3.811	56	1725	16.609	ug/l #	73
14) Allyl chloride	4.575	41	4197	3.820	ug/l #	88
15) Acrylonitrile	5.263	53	3921	19.443	ug/l #	19
16) Acetone	4.016	43	3250m	19.537	ug/l	
17) Carbon Disulfide	4.275	76	16292	4.497	ug/l #	93
18) Methyl Acetate	4.569	43	1870m	4.882	ug/l	
19) Methyl tert-butyl Ether	5.316	73	7828	3.568	ug/l #	86
20) Methylene Chloride	4.805	84	11348	6.604	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	5800	4.622	ug/l	96
22) Diisopropyl ether	6.222	45	8750	3.521	ug/l	94
23) Vinyl Acetate	6.158	43	25620m	17.189	ug/l	
24) 1,1-Dichloroethane	6.122	63	9171	4.656	ug/l #	95
25) 2-Butanone	7.093	43	4195	18.855	ug/l	97
26) 2,2-Dichloropropane	7.081	77	8077	4.666	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	5919	4.017	ug/l	87
28) Bromochloromethane	7.428	49	3535	5.381	ug/l #	97
29) Tetrahydrofuran	7.457	42	2072	16.101	ug/l	98
30) Chloroform	7.599	83	10566	4.736	ug/l	93
31) Cyclohexane	7.881	56	7309	4.795	ug/l #	83
32) 1,1,1-Trichloroethane	7.799	97	8176	4.279	ug/l	97
36) 1,1-Dichloropropene	8.004	75	5989	3.594	ug/l	94
37) Ethyl Acetate	7.175	43	2021m	3.558	ug/l	
38) Carbon Tetrachloride	7.993	117	7738	3.968	ug/l	93
39) Methylcyclohexane	9.275	83	6458	3.189	ug/l	97
40) Benzene	8.257	78	20629	3.827	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1068m	3.495	ug/l	
42) 1,2-Dichloroethane	8.322	62	5209	3.992	ug/l	94
43) Isopropyl Acetate	8.369	43	3334	3.308	ug/l #	95
44) Trichloroethene	9.028	130	5665	3.962	ug/l	77
45) 1,2-Dichloropropane	9.304	63	4673	3.945	ug/l	97
46) Dibromomethane	9.399	93	2758	3.537	ug/l	94
47) Bromodichloromethane	9.587	83	7338	3.909	ug/l	92
48) Methyl methacrylate	9.387	41	1488	3.033	ug/l	88
49) 1,4-Dioxane	9.381	88	427	62.252	ug/l #	33
51) 4-Methyl-2-Pentanone	10.157	43	8239	15.349	ug/l	96
52) Toluene	10.334	92	13086	3.793	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	5781	3.624	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	7165	3.743	ug/l	93
55) 1,1,2-Trichloroethane	10.728	97	4041	4.011	ug/l #	88
56) Ethyl methacrylate	10.598	69	3201	3.088	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	5580	3.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	7870	17.671	ug/l	98
59) 2-Hexanone	10.922	43	5709	15.280	ug/l	99
60) Dibromochloromethane	11.075	129	4545	3.309	ug/l	86
61) 1,2-Dibromoethane	11.175	107	3473	3.781	ug/l	95
64) Tetrachloroethene	10.804	164	4616	3.873	ug/l #	87
65) Chlorobenzene	11.604	112	14335	3.668	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.675	131	5309	3.930	ug/l	98
67) Ethyl Benzene	11.681	91	22203	3.532	ug/l	99
68) m/p-Xylenes	11.793	106	16427	6.428	ug/l	96
69) o-Xylene	12.122	106	7157	3.072	ug/l	84
70) Styrene	12.134	104	12869	3.117	ug/l	99
71) Bromoform	12.298	173	3064	3.959	ug/l #	93
73) Isopropylbenzene	12.422	105	18021	3.337	ug/l	97
74) N-amyl acetate	12.240	43	2591	2.957	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	4050	4.157	ug/l #	95
76) 1,2,3-Trichloropropane	12.710	75	2994m	4.700	ug/l	
77) Bromobenzene	12.698	156	6212	4.374	ug/l	91
78) n-propylbenzene	12.763	91	24312	3.724	ug/l	100
79) 2-Chlorotoluene	12.851	91	13509	3.723	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	15681	3.495	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	1301	4.050	ug/l #	82
82) 4-Chlorotoluene	12.945	91	15256	4.008	ug/l	96
83) tert-Butylbenzene	13.169	119	14662	3.695	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	14619	3.145	ug/l	95
85) sec-Butylbenzene	13.345	105	20559	3.473	ug/l	98
86) p-Isopropyltoluene	13.457	119	16377	3.175	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	10978	3.653	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	11792	4.006	ug/l	93
89) n-Butylbenzene	13.787	91	15144	3.277	ug/l	98
90) Hexachloroethane	14.051	117	4214	3.873	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	9770	3.885	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	524	4.040	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	6026	4.081	ug/l	89
94) Hexachlorobutadiene	15.198	225	2726	3.533	ug/l	82
95) Naphthalene	15.334	128	8600	3.419	ug/l	97
96) 1,2,3-Trichlorobenzene	15.528	180	4662	3.549	ug/l	88

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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

