

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078942.D
 Acq On : 16 May 2024 12:18
 Operator : RP/MD
 Sample : P2403-03 2.5 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: May 17 06:59:03 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

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	103224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	183284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	80626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	60863	62.859	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.720%			
35) Dibromofluoromethane	7.810	113	71490	58.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.200%			
50) Toluene-d8	10.269	98	257894	56.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.760%			
62) 4-Bromofluorobenzene	12.575	95	67708	52.695	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.940	85	2381	2.469	ug/l	86
3) Chloromethane	2.152	50	4010	2.727	ug/l	99
4) Vinyl Chloride	2.287	62	6444	2.898	ug/l	98
5) Bromomethane	2.693	94	6800	3.165	ug/l	95
6) Chloroethane	2.846	64	5169	2.800	ug/l	92
7) Trichlorofluoromethane	3.181	101	4793	2.371	ug/l	97
8) Diethyl Ether	3.593	74	1268	2.499	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	3045	2.852	ug/l #	59
10) Methyl Iodide	4.158	142	2936	2.302	ug/l #	91
11) Tert butyl alcohol	5.075	59	312	6.762	ug/l #	86
12) 1,1-Dichloroethene	3.952	96	2764	2.645	ug/l #	56
13) Acrolein	3.811	56	1171	12.149	ug/l	89
14) Allyl chloride	4.563	41	2491	2.443	ug/l	92
15) Acrylonitrile	5.263	53	2576m	13.764	ug/l	
16) Acetone	4.016	43	2054	13.305	ug/l #	84
17) Carbon Disulfide	4.281	76	8306	2.471	ug/l #	95
18) Methyl Acetate	4.563	43	1035	2.912	ug/l #	50
19) Methyl tert-butyl Ether	5.322	73	4783	2.349	ug/l	97
20) Methylene Chloride	4.799	84	8456	5.302	ug/l #	87
21) trans-1,2-Dichloroethene	5.310	96	2985	2.563	ug/l #	84
22) Diisopropyl ether	6.228	45	4810	2.086	ug/l #	81
23) Vinyl Acetate	6.163	43	14637m	10.582	ug/l	
24) 1,1-Dichloroethane	6.116	63	4864	2.661	ug/l #	78
25) 2-Butanone	7.093	43	2509	12.151	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	4576	2.848	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	3046	2.227	ug/l	85
28) Bromochloromethane	7.428	49	2028	3.326	ug/l #	100
29) Tetrahydrofuran	7.446	42	1171	9.805	ug/l #	50
30) Chloroform	7.599	83	5745	2.774	ug/l	91
31) Cyclohexane	7.881	56	4507	3.186	ug/l #	67
32) 1,1,1-Trichloroethane	7.793	97	4673	2.635	ug/l	96
36) 1,1-Dichloropropene	8.010	75	3494	2.301	ug/l	92
37) Ethyl Acetate	7.181	43	1194m	2.308	ug/l	
38) Carbon Tetrachloride	7.993	117	3951	2.224	ug/l #	83
39) Methylcyclohexane	9.275	83	3667	1.988	ug/l #	71
40) Benzene	8.252	78	11958	2.435	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	568	2.040	ug/l #	58
42) 1,2-Dichloroethane	8.322	62	3096	2.605	ug/l	77
43) Isopropyl Acetate	8.375	43	1746	1.902	ug/l #	88
44) Trichloroethene	9.040	130	3341	2.565	ug/l	80
45) 1,2-Dichloropropane	9.310	63	2763	2.560	ug/l #	81
46) Dibromomethane	9.393	93	1442	2.030	ug/l #	82
47) Bromodichloromethane	9.587	83	4108	2.402	ug/l #	97
48) Methyl methacrylate	9.387	41	866	1.938	ug/l #	83
49) 1,4-Dioxane	9.393	88	413	66.093	ug/l #	44
51) 4-Methyl-2-Pentanone	10.163	43	5233	10.701	ug/l	89
52) Toluene	10.334	92	7785	2.477	ug/l	88
53) t-1,3-Dichloropropene	10.551	75	3480	2.395	ug/l #	83
54) cis-1,3-Dichloropropene	10.022	75	4255	2.440	ug/l #	86
55) 1,1,2-Trichloroethane	10.728	97	2229	2.429	ug/l #	83
56) Ethyl methacrylate	10.598	69	1658	1.756	ug/l #	94
57) 1,3-Dichloropropane	10.881	76	3177	2.223	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	4489	11.064	ug/l	91
59) 2-Hexanone	10.916	43	3255	9.563	ug/l	96
60) Dibromochloromethane	11.069	129	2810	2.246	ug/l	88
61) 1,2-Dibromoethane	11.181	107	1825	2.181	ug/l	87
64) Tetrachloroethene	10.810	164	2539	2.294	ug/l	88
65) Chlorobenzene	11.610	112	9216	2.540	ug/l #	78
66) 1,1,1,2-Tetrachloroethane	11.681	131	2847	2.270	ug/l	96
67) Ethyl Benzene	11.687	91	12302	2.108	ug/l	97
68) m/p-Xylenes	11.793	106	9402	3.962	ug/l	99
69) o-Xylene	12.122	106	4021	1.859	ug/l	92
70) Styrene	12.134	104	7458	1.945	ug/l	90
71) Bromoform	12.298	173	1437	2.000	ug/l #	86
73) Isopropylbenzene	12.422	105	10204	2.120	ug/l	99
74) N-amyl acetate	12.240	43	1375	1.761	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	2456	2.829	ug/l #	80
76) 1,2,3-Trichloropropane	12.728	75	2002m	3.527	ug/l	
77) Bromobenzene	12.698	156	3330	2.631	ug/l	94
78) n-propylbenzene	12.763	91	13642	2.345	ug/l	99
79) 2-Chlorotoluene	12.845	91	7477	2.313	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	8569	2.143	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	800m	2.795	ug/l	
82) 4-Chlorotoluene	12.945	91	7914	2.333	ug/l	99
83) tert-Butylbenzene	13.163	119	7475	2.114	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	8591	2.074	ug/l	93
85) sec-Butylbenzene	13.339	105	10782	2.044	ug/l	96
86) p-Isopropyltoluene	13.457	119	8916	1.940	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	6256	2.336	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	6563	2.503	ug/l	88
89) n-Butylbenzene	13.787	91	8498	2.064	ug/l	95
90) Hexachloroethane	14.057	117	2698	2.783	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	5730	2.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	407	3.522	ug/l #	41
93) 1,2,4-Trichlorobenzene	15.092	180	2782	2.115	ug/l	93
94) Hexachlorobutadiene	15.204	225	1456	2.118	ug/l	83
95) Naphthalene	15.333	128	5000	2.231	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	3104	2.652	ug/l	94

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

