

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101524\
 Data File : VD079984.D
 Acq On : 15 Oct 2024 15:04
 Operator : RP/MD
 Sample : P4368-03 4 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024
 Supervised By :Semsettin Yesilyurt 10/16/2024

Quant Time: Oct 16 04:27:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 04:27:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	131563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	217587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	205041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83287	55.652	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.300%			
35) Dibromofluoromethane	7.805	113	88770	56.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.040%			
50) Toluene-d8	10.269	98	287091	51.299	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.575	95	97348	49.829	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	6142	4.750	ug/l	98
3) Chloromethane	2.146	50	5749	4.329	ug/l	95
4) Vinyl Chloride	2.281	62	7325	4.436	ug/l	97
5) Bromomethane	2.693	94	6050	4.259	ug/l	85
6) Chloroethane	2.834	64	5567	4.938	ug/l #	84
7) Trichlorofluoromethane	3.175	101	12791	4.944	ug/l	97
8) Diethyl Ether	3.599	74	3434	4.832	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.975	101	8214	5.169	ug/l	96
10) Methyl Iodide	4.169	142	7231	4.641	ug/l #	97
11) Tert butyl alcohol	5.075	59	2237m	24.438	ug/l	
12) 1,1-Dichloroethene	3.940	96	6971	4.932	ug/l	95
13) Acrolein	3.805	56	2727	27.785	ug/l	97
14) Allyl chloride	4.552	41	9726	4.632	ug/l	95
15) Acrylonitrile	5.258	53	8071	23.769	ug/l #	92
16) Acetone	4.034	43	7958	20.515	ug/l	96
17) Carbon Disulfide	4.269	76	20592	5.226	ug/l	100
18) Methyl Acetate	4.569	43	5594m	6.718	ug/l	
19) Methyl tert-butyl Ether	5.322	73	14429m	4.420	ug/l	
20) Methylene Chloride	4.799	84	15297	8.028	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	7716	5.083	ug/l	88
22) Diisopropyl ether	6.216	45	19279	4.234	ug/l #	95
23) Vinyl Acetate	6.163	43	65147	25.464	ug/l	99
24) 1,1-Dichloroethane	6.111	63	14770	4.923	ug/l #	87
25) 2-Butanone	7.081	43	10563	22.362	ug/l	94
26) 2,2-Dichloropropane	7.069	77	14043	5.410	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	8702	4.610	ug/l	86
28) Bromochloromethane	7.428	49	5704	4.455	ug/l #	94
29) Tetrahydrofuran	7.446	42	5874	23.252	ug/l	90
30) Chloroform	7.593	83	15705	4.942	ug/l	95
31) Cyclohexane	7.881	56	12210	5.369	ug/l #	84
32) 1,1,1-Trichloroethane	7.793	97	12729	4.836	ug/l	96
36) 1,1-Dichloropropene	8.016	75	9458	4.493	ug/l	94
37) Ethyl Acetate	7.163	43	4165m	4.087	ug/l	
38) Carbon Tetrachloride	7.993	117	11215	4.795	ug/l	99
39) Methylcyclohexane	9.275	83	9600	4.064	ug/l #	82
40) Benzene	8.258	78	30689	4.611	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	2163	4.042	ug/l #	84
42) 1,2-Dichloroethane	8.328	62	10019	5.473	ug/l	97
43) Isopropyl Acetate	8.357	43	8541	4.549	ug/l #	80
44) Trichloroethene	9.028	130	8133	4.939	ug/l	89
45) 1,2-Dichloropropane	9.305	63	7402	4.385	ug/l	90
46) Dibromomethane	9.393	93	4837	5.194	ug/l	93
47) Bromodichloromethane	9.581	83	11674	4.726	ug/l #	98
48) Methyl methacrylate	9.375	41	3475	4.109	ug/l #	86
49) 1,4-Dioxane	9.381	88	864	84.430	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	18175	18.923	ug/l	98
52) Toluene	10.334	92	20485	5.027	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	9257	4.280	ug/l #	80
54) cis-1,3-Dichloropropene	10.016	75	11146	4.367	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	6655	5.087	ug/l	94
56) Ethyl methacrylate	10.593	69	6524	4.269	ug/l	97
57) 1,3-Dichloropropane	10.881	76	10180	4.822	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	12032	21.276	ug/l	97
59) 2-Hexanone	10.922	43	14212	19.979	ug/l	98
60) Dibromochloromethane	11.075	129	7974	4.691	ug/l	95
61) 1,2-Dibromoethane	11.175	107	5812	4.827	ug/l	99
64) Tetrachloroethene	10.804	164	7871	5.442	ug/l #	91
65) Chlorobenzene	11.604	112	21982	4.607	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	8323	4.855	ug/l	94
67) Ethyl Benzene	11.681	91	32106	3.978	ug/l	95
68) m/p-Xylenes	11.793	106	24495	7.908	ug/l	99
69) o-Xylene	12.116	106	11696	4.081	ug/l	91
70) Styrene	12.134	104	19787	3.880	ug/l	98
71) Bromoform	12.298	173	4842	4.697	ug/l #	98
73) Isopropylbenzene	12.416	105	29120	3.997	ug/l	99
74) N-amyl acetate	12.234	43	7866	4.464	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	7330	4.962	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	4989m	4.222	ug/l	
77) Bromobenzene	12.698	156	9231	4.897	ug/l	94
78) n-propylbenzene	12.763	91	38652	4.267	ug/l	100
79) 2-Chlorotoluene	12.845	91	22262	4.230	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	25181	4.101	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	1938	3.660	ug/l	90
82) 4-Chlorotoluene	12.945	91	22840	4.040	ug/l	97
83) tert-Butylbenzene	13.163	119	20801	3.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	23892	3.874	ug/l	98
85) sec-Butylbenzene	13.345	105	32718	4.045	ug/l	99
86) p-Isopropyltoluene	13.457	119	25372	3.760	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	16647	4.316	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	17796	4.618	ug/l	94
89) n-Butylbenzene	13.787	91	24771	3.795	ug/l	97
90) Hexachloroethane	14.051	117	6895	4.622	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	15272	4.533	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1016	4.119	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	8456	4.005	ug/l	99
94) Hexachlorobutadiene	15.204	225	5101	4.387	ug/l	92
95) Naphthalene	15.334	128	15347	4.076	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	8345	4.460	ug/l	97

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

