

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101524\
 Data File : VD079983.D
 Acq On : 15 Oct 2024 13:42
 Operator : RP/MD
 Sample : P4368-03 2.5 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 02:01:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101124S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 01:59:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	137097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	223690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	204850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80693	51.742	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.480%			
35) Dibromofluoromethane	7.804	113	84491	52.332	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.660%			
50) Toluene-d8	10.269	98	275155	47.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.640%			
62) 4-Bromofluorobenzene	12.569	95	89835	44.729	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4770	3.540	ug/l	89
3) Chloromethane	2.146	50	4374	3.160	ug/l	91
4) Vinyl Chloride	2.281	62	5528	3.213	ug/l	92
5) Bromomethane	2.693	94	5494	3.711	ug/l	99
6) Chloroethane	2.840	64	3870	3.294	ug/l	94
7) Trichlorofluoromethane	3.175	101	10193	3.781	ug/l	92
8) Diethyl Ether	3.587	74	2422	3.271	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.957	101	5717m	3.453	ug/l	
10) Methyl Iodide	4.163	142	5239	3.227	ug/l #	97
11) Tert butyl alcohol	5.040	59	1214m	12.727	ug/l	
12) 1,1-Dichloroethene	3.946	96	5224	3.546	ug/l	98
13) Acrolein	3.799	56	1811	17.707	ug/l	92
14) Allyl chloride	4.551	41	7283	3.329	ug/l	99
15) Acrylonitrile	5.257	53	5602	15.832	ug/l	96
16) Acetone	4.028	43	5729	14.172	ug/l	100
17) Carbon Disulfide	4.269	76	14386	3.504	ug/l	96
18) Methyl Acetate	4.563	43	3809	4.389	ug/l #	83
19) Methyl tert-butyl Ether	5.316	73	9393	2.761	ug/l	100
20) Methylene Chloride	4.798	84	11551	5.817	ug/l	96
21) trans-1,2-Dichloroethene	5.304	96	5148	3.255	ug/l	96
22) Diisopropyl ether	6.222	45	12880	2.714	ug/l	88
23) Vinyl Acetate	6.151	43	43240	16.219	ug/l	98
24) 1,1-Dichloroethane	6.110	63	10595	3.389	ug/l	99
25) 2-Butanone	7.075	43	6862	13.940	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	9813	3.628	ug/l #	73
27) cis-1,2-Dichloroethene	7.081	96	6082	3.092	ug/l	86
28) Bromochloromethane	7.422	49	4140	3.103	ug/l #	90
29) Tetrahydrofuran	7.439	42	3661	13.907	ug/l #	85
30) Chloroform	7.592	83	11020	3.328	ug/l	95
31) Cyclohexane	7.875	56	9648	4.071	ug/l #	53
32) 1,1,1-Trichloroethane	7.787	97	9226	3.363	ug/l	96
36) 1,1-Dichloropropene	8.004	75	7172	3.314	ug/l	92
37) Ethyl Acetate	7.181	43	3266	3.118	ug/l #	73
38) Carbon Tetrachloride	7.992	117	7916	3.292	ug/l	96
39) Methylcyclohexane	9.269	83	7302	3.007	ug/l	94
40) Benzene	8.257	78	22050	3.222	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	2157	3.921	ug/l #	52
42) 1,2-Dichloroethane	8.328	62	6520	3.465	ug/l	92
43) Isopropyl Acetate	8.357	43	6147	3.185	ug/l #	77
44) Trichloroethene	9.028	130	5126	3.028	ug/l	77
45) 1,2-Dichloropropane	9.304	63	5603	3.229	ug/l	97
46) Dibromomethane	9.392	93	3135	3.274	ug/l	97
47) Bromodichloromethane	9.581	83	8004	3.152	ug/l	95
48) Methyl methacrylate	9.381	41	2551	2.934	ug/l #	76
49) 1,4-Dioxane	9.392	88	718	68.248	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	11853	12.004	ug/l	99
52) Toluene	10.333	92	13336	3.183	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	6015	2.705	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	6994	2.666	ug/l #	90
55) 1,1,2-Trichloroethane	10.722	97	4455	3.313	ug/l #	91
56) Ethyl methacrylate	10.598	69	4048	2.576	ug/l	93
57) 1,3-Dichloropropane	10.880	76	6751	3.110	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.869	63	7833	13.473	ug/l	99
59) 2-Hexanone	10.922	43	8809	12.046	ug/l	92
60) Dibromochloromethane	11.069	129	5862	3.355	ug/l	95
61) 1,2-Dibromoethane	11.175	107	3727	3.011	ug/l	94
64) Tetrachloroethene	10.804	164	5151	3.565	ug/l	97
65) Chlorobenzene	11.604	112	15843	3.323	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.680	131	5129	2.995	ug/l	92
67) Ethyl Benzene	11.680	91	23050	2.859	ug/l	100
68) m/p-Xylenes	11.792	106	16140	5.216	ug/l	99
69) o-Xylene	12.116	106	7679	2.682	ug/l	87
70) Styrene	12.139	104	12568	2.467	ug/l	98
71) Bromoform	12.292	173	2964	2.878	ug/l #	88
73) Isopropylbenzene	12.422	105	19421	2.785	ug/l	97
74) N-amyl acetate	12.233	43	4215	2.499	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	5062	3.580	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	3261m	2.883	ug/l	
77) Bromobenzene	12.698	156	6532	3.620	ug/l	93
78) n-propylbenzene	12.763	91	26006	2.999	ug/l	97
79) 2-Chlorotoluene	12.845	91	14784	2.935	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	16631	2.830	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	1700	3.354	ug/l	93
82) 4-Chlorotoluene	12.945	91	16622	3.072	ug/l	96
83) tert-Butylbenzene	13.163	119	13474	2.675	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	15571	2.638	ug/l	98
85) sec-Butylbenzene	13.345	105	21105	2.726	ug/l	98
86) p-Isopropyltoluene	13.463	119	17039	2.638	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	11434	3.098	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	11895	3.225	ug/l	87
89) n-Butylbenzene	13.786	91	17491	2.800	ug/l	98
90) Hexachloroethane	14.051	117	5073	3.553	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	9871	3.061	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	784	3.321	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	6168	3.052	ug/l	96
94) Hexachlorobutadiene	15.204	225	3781	3.398	ug/l	96
95) Naphthalene	15.333	128	10960	3.041	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.521	180	5684	3.174	ug/l	96

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

