

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078925.D
 Acq On : 15 May 2024 11:41
 Operator : RP/MD
 Sample : P2403-01 2.5 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 16 02:40:48 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	7.875	168	105631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	193741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	176688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54351	54.855	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.700%			
35) Dibromofluoromethane	7.804	113	64646	50.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.260%			
50) Toluene-d8	10.269	98	236806	48.980	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.960%			
62) 4-Bromofluorobenzene	12.575	95	61803	45.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2727	2.763	ug/l	97
3) Chloromethane	2.152	50	4444	2.954	ug/l	93
4) Vinyl Chloride	2.287	62	6309	2.773	ug/l #	88
5) Bromomethane	2.705	94	7158	3.255	ug/l	87
6) Chloroethane	2.840	64	4804	2.543	ug/l #	80
7) Trichlorofluoromethane	3.181	101	5980	2.891	ug/l #	79
8) Diethyl Ether	3.587	74	1307	2.517	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	3.975	101	3134m	2.869	ug/l	
10) Methyl Iodide	4.163	142	3621	2.774	ug/l #	43
11) Tert butyl alcohol	5.040	59	274	5.803	ug/l #	86
12) 1,1-Dichloroethene	3.952	96	3159	2.954	ug/l	83
13) Acrolein	3.810	56	801	8.121	ug/l #	83
14) Allyl chloride	4.558	41	2994	2.869	ug/l	97
15) Acrylonitrile	5.275	53	2276m	11.884	ug/l	
16) Acetone	4.028	43	2044	12.938	ug/l #	83
17) Carbon Disulfide	4.269	76	9923	2.884	ug/l #	90
18) Methyl Acetate	4.581	43	1145	3.148	ug/l #	62
19) Methyl tert-butyl Ether	5.310	73	4201m	2.016	ug/l	
20) Methylene Chloride	4.805	84	6352	3.892	ug/l	84
21) trans-1,2-Dichloroethene	5.305	96	3729	3.129	ug/l #	81
22) Diisopropyl ether	6.222	45	5336	2.261	ug/l #	89
23) Vinyl Acetate	6.163	43	14231m	10.054	ug/l	
24) 1,1-Dichloroethane	6.116	63	5839	3.121	ug/l #	87
25) 2-Butanone	7.087	43	2078	9.835	ug/l	94
26) 2,2-Dichloropropane	7.075	77	4510	2.743	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	3523	2.517	ug/l	93
28) Bromochloromethane	7.416	49	1538	2.465	ug/l #	94
29) Tetrahydrofuran	7.440	42	1149	9.402	ug/l #	71
30) Chloroform	7.599	83	6973	3.291	ug/l	100
31) Cyclohexane	7.875	56	5110	3.530	ug/l #	75
32) 1,1,1-Trichloroethane	7.787	97	4561	2.513	ug/l #	87
36) 1,1-Dichloropropene	8.010	75	3729	2.324	ug/l	95
37) Ethyl Acetate	7.187	43	798	1.459	ug/l #	64
38) Carbon Tetrachloride	7.987	117	4870	2.593	ug/l #	84
39) Methylcyclohexane	9.275	83	3949	2.025	ug/l #	92
40) Benzene	8.257	78	13490	2.599	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	591	2.008	ug/l #	28
42) 1,2-Dichloroethane	8.334	62	3165	2.519	ug/l #	67
43) Isopropyl Acetate	8.369	43	2057m	2.120	ug/l	
44) Trichloroethene	9.028	130	3525	2.560	ug/l	94
45) 1,2-Dichloropropane	9.304	63	2957	2.592	ug/l	94
46) Dibromomethane	9.398	93	1809	2.409	ug/l	94
47) Bromodichloromethane	9.587	83	4159	2.301	ug/l #	92
48) Methyl methacrylate	9.387	41	1060	2.244	ug/l #	69
49) 1,4-Dioxane	9.393	88	72	10.900	ug/l #	33
51) 4-Methyl-2-Pentanone	10.169	43	4492	8.690	ug/l	99
52) Toluene	10.334	92	7864	2.367	ug/l	86
53) t-1,3-Dichloropropene	10.551	75	3645	2.373	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	4167	2.260	ug/l #	89
55) 1,1,2-Trichloroethane	10.728	97	2553	2.632	ug/l #	77
56) Ethyl methacrylate	10.598	69	2012	2.016	ug/l	96
57) 1,3-Dichloropropane	10.887	76	3542	2.345	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	4412	10.288	ug/l	89
59) 2-Hexanone	10.922	43	3149	8.752	ug/l	89
60) Dibromochloromethane	11.069	129	3166	2.394	ug/l	98
61) 1,2-Dibromoethane	11.181	107	2136	2.415	ug/l	99
64) Tetrachloroethene	10.810	164	2838	2.532	ug/l #	86
65) Chlorobenzene	11.604	112	10312	2.806	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	3562	2.804	ug/l	87
67) Ethyl Benzene	11.681	91	13721	2.321	ug/l	96
68) m/p-Xylenes	11.792	106	10300	4.286	ug/l	95
69) o-Xylene	12.116	106	4799	2.190	ug/l	96
70) Styrene	12.134	104	7852	2.022	ug/l	95
71) Bromoform	12.304	173	1889	2.595	ug/l #	83
73) Isopropylbenzene	12.422	105	11291	2.331	ug/l	98
74) N-amyl acetate	12.239	43	1656	2.107	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	2155	2.466	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	1566m	2.741	ug/l	
77) Bromobenzene	12.698	156	3402	2.670	ug/l	94
78) n-propylbenzene	12.769	91	14804	2.528	ug/l	95
79) 2-Chlorotoluene	12.845	91	8582	2.637	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	8867	2.203	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	699m	2.426	ug/l	
82) 4-Chlorotoluene	12.951	91	8770	2.569	ug/l	93
83) tert-Butylbenzene	13.169	119	8919	2.506	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	9147	2.194	ug/l	99
85) sec-Butylbenzene	13.345	105	11844	2.231	ug/l	95
86) p-Isopropyltoluene	13.463	119	10124	2.188	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	6684	2.479	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	7662	2.902	ug/l	89
89) n-Butylbenzene	13.786	91	9897	2.387	ug/l	94
90) Hexachloroethane	14.051	117	2835	2.905	ug/l	81
91) 1,2-Dichlorobenzene	13.828	146	5648	2.504	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.445	75	314	2.699	ug/l #	23
93) 1,2,4-Trichlorobenzene	15.098	180	3166	2.391	ug/l	88
94) Hexachlorobutadiene	15.204	225	2014	2.910	ug/l	87
95) Naphthalene	15.328	128	5511	2.443	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.522	180	2929	2.486	ug/l	98

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

