

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091124\
 Data File : VY019503.D
 Acq On : 11 Sep 2024 11:52
 Operator : SY/MD
 Sample : P3390-01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Sep 12 05:47:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 05:47:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/12/2024
 Supervised By :Semsettin Yesilyurt 09/12/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	468946	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	826133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	689015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	312010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	261994	60.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.660%			
35) Dibromofluoromethane	7.634	113	258549	55.198	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.400%			
50) Toluene-d8	10.109	98	965889	55.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.500%			
62) 4-Bromofluorobenzene	12.407	95	333764	50.102	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	7130	2.405	ug/l	92
3) Chloromethane	2.074	50	7741	1.995	ug/l	98
4) Vinyl Chloride	2.208	62	9250	2.205	ug/l	# 82
5) Bromomethane	2.598	94	7070	2.743	ug/l	99
6) Chloroethane	2.738	64	6886	2.511	ug/l	100
7) Trichlorofluoromethane	3.062	101	17339	2.479	ug/l	96
8) Diethyl Ether	3.452	74	5938	2.529	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.811	101	11336	2.620	ug/l	96
10) Methyl Iodide	4.007	142	11454	2.065	ug/l	# 91
11) Tert butyl alcohol	4.860	59	5772	16.460	ug/l	100
12) 1,1-Dichloroethene	3.781	96	9464	2.275	ug/l	98
13) Acrolein	3.659	56	7249	38.550	ug/l	89
14) Allyl chloride	4.378	41	16666	2.234	ug/l	# 91
15) Acrylonitrile	5.061	53	15630	15.441	ug/l	97
16) Acetone	3.872	43	16788	16.228	ug/l	# 84
17) Carbon Disulfide	4.104	76	12936	1.151	ug/l	97
18) Methyl Acetate	4.385	43	10511	3.744	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	32788	2.782	ug/l	97
20) Methylene Chloride	4.610	84	33077	7.011	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	10242	2.246	ug/l	96
22) Diisopropyl ether	6.006	45	42142	2.750	ug/l	# 80
23) Vinyl Acetate	5.957	43	143513	16.399	ug/l	96
24) 1,1-Dichloroethane	5.915	63	22686	2.639	ug/l	95
25) 2-Butanone	6.896	43	18881	12.833	ug/l	# 82
26) 2,2-Dichloropropane	6.884	77	21760	2.806	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	14605	2.636	ug/l	91
28) Bromochloromethane	7.244	49	9393	2.597	ug/l	89
29) Tetrahydrofuran	7.268	42	12811	14.321	ug/l	90
30) Chloroform	7.421	83	25737	2.932	ug/l	99
31) Cyclohexane	7.701	56	24424	3.143	ug/l	# 70
32) 1,1,1-Trichloroethane	7.616	97	21463	2.728	ug/l	97
36) 1,1-Dichloropropene	7.829	75	14725	2.310	ug/l	96
37) Ethyl Acetate	6.982	43	8617	2.639	ug/l	98
38) Carbon Tetrachloride	7.817	117	17532	2.439	ug/l	94
39) Methylcyclohexane	9.109	83	16444	1.939	ug/l	96
40) Benzene	8.079	78	47462	2.418	ug/l	99

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Reviewed By :Mahesh Dadoda 09/12/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	4444m	2.334	ug/l	
42) 1,2-Dichloroethane	8.152	62	14500	2.745	ug/l	95
43) Isopropyl Acetate	8.201	43	18107	2.639	ug/l	92
44) Trichloroethene	8.859	130	11666	2.311	ug/l	97
45) 1,2-Dichloropropane	9.140	63	12446	2.593	ug/l	97
46) Dibromomethane	9.231	93	6798	2.590	ug/l	93
47) Bromodichloromethane	9.426	83	19569	2.774	ug/l	95
48) Methyl methacrylate	9.225	41	7380	2.278	ug/l #	84
49) 1,4-Dioxane	9.231	88	1663	53.826	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	47494	13.760	ug/l	93
52) Toluene	10.170	92	30885	2.446	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	17230	2.562	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	19773	2.525	ug/l #	88
55) 1,1,2-Trichloroethane	10.572	97	10285	2.838	ug/l	96
56) Ethyl methacrylate	10.444	69	14355	2.607	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	15650	2.512	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	36706	14.365	ug/l	98
59) 2-Hexanone	10.761	43	33043	13.058	ug/l	89
60) Dibromochloromethane	10.914	129	12888	2.688	ug/l	99
61) 1,2-Dibromoethane	11.017	107	8797	2.605	ug/l	98
64) Tetrachloroethene	10.646	164	10402	2.438	ug/l	94
65) Chlorobenzene	11.444	112	35233	2.600	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	13064	2.784	ug/l	98
67) Ethyl Benzene	11.523	91	61205	2.542	ug/l	99
68) m/p-Xylenes	11.633	106	46828	5.143	ug/l	96
69) o-Xylene	11.956	106	23045	2.588	ug/l	94
70) Styrene	11.969	104	38667	2.572	ug/l	96
71) Bromoform	12.133	173	7346	2.741	ug/l #	97
73) Isopropylbenzene	12.255	105	60233	2.661	ug/l	100
74) N-amyl acetate	12.072	43	16707	2.714	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.511	83	12024	2.993	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	7896m	2.700	ug/l	
77) Bromobenzene	12.529	156	14057	2.800	ug/l	89
78) n-propylbenzene	12.596	91	72107	2.688	ug/l	99
79) 2-Chlorotoluene	12.682	91	42459	2.716	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	49518	2.691	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	3933m	2.582	ug/l	
82) 4-Chlorotoluene	12.779	91	43439	2.702	ug/l	97
83) tert-Butylbenzene	12.999	119	46313	2.780	ug/l	93
84) 1,2,4-Trimethylbenzene	13.048	105	50412	2.768	ug/l	96
85) sec-Butylbenzene	13.176	105	67010	2.769	ug/l	97
86) p-Isopropyltoluene	13.291	119	55341	2.795	ug/l	96
87) 1,3-Dichlorobenzene	13.291	146	27749	2.845	ug/l	97
88) 1,4-Dichlorobenzene	13.291	146	27749	2.866	ug/l	96
89) n-Butylbenzene	13.621	91	51948	2.744	ug/l	98
90) Hexachloroethane	13.877	117	11655	2.829	ug/l	88
91) 1,2-Dichlorobenzene	13.663	146	24736	2.842	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1976	2.951	ug/l	72
93) 1,2,4-Trichlorobenzene	14.919	180	13288	2.510	ug/l	95
94) Hexachlorobutadiene	15.023	225	7167	2.534	ug/l	96
95) Naphthalene	15.145	128	28609	2.698	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	11412	2.520	ug/l	93

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

