

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019866.D
 Acq On : 11 Oct 2024 12:19
 Operator : SY/MD
 Sample : P4368-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 14 01:44:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	323401	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	574553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	470680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	200188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173176	43.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.980%		
35) Dibromofluoromethane	7.640	113	168491	44.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.880%		
50) Toluene-d8	10.109	98	623269	44.515	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.040%		
62) 4-Bromofluorobenzene	12.408	95	203832	40.291	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	80.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	9469	3.145	ug/l	94
3) Chloromethane	2.074	50	14895	3.801	ug/l	93
4) Vinyl Chloride	2.208	62	15335	3.556	ug/l	94
5) Bromomethane	2.598	94	10066	3.688	ug/l	95
6) Chloroethane	2.732	64	9188	3.172	ug/l	94
7) Trichlorofluoromethane	3.068	101	19703	3.071	ug/l	95
8) Diethyl Ether	3.464	74	6064	3.110	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.824	101	11469	3.073	ug/l	89
10) Methyl Iodide	4.013	142	10813	2.865	ug/l #	84
11) Tert butyl alcohol	4.854	59	8829m	23.667	ug/l	
12) 1,1-Dichloroethene	3.793	96	10370	2.989	ug/l #	81
13) Acrolein	3.659	56	5581	19.074	ug/l	99
14) Allyl chloride	4.385	41	18848	3.011	ug/l #	90
15) Acrylonitrile	5.061	53	11121	12.469	ug/l	94
16) Acetone	3.872	43	12459	12.019	ug/l #	71
17) Carbon Disulfide	4.110	76	33961	3.652	ug/l #	92
18) Methyl Acetate	4.391	43	7367	3.299	ug/l	90
19) Methyl tert-butyl Ether	5.128	73	24704	2.478	ug/l	99
20) Methylene Chloride	4.628	84	19046	4.235	ug/l	90
21) trans-1,2-Dichloroethene	5.110	96	12408	3.286	ug/l	95
22) Diisopropyl ether	6.018	45	37801	2.772	ug/l #	85
23) Vinyl Acetate	5.964	43	107201m	13.714	ug/l	
24) 1,1-Dichloroethane	5.915	63	22721	2.998	ug/l	94
25) 2-Butanone	6.902	43	16934	12.205	ug/l #	76
26) 2,2-Dichloropropane	6.884	77	22045	3.266	ug/l	85
27) cis-1,2-Dichloroethene	6.890	96	13659	2.927	ug/l	75
28) Bromochloromethane	7.250	49	8879	2.661	ug/l #	78
29) Tetrahydrofuran	7.262	42	9449	11.927	ug/l #	80
30) Chloroform	7.427	83	22447	2.905	ug/l	87
31) Cyclohexane	7.701	56	27964	4.203	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	20225	2.987	ug/l	96
36) 1,1-Dichloropropene	7.841	75	16984	3.109	ug/l	95
37) Ethyl Acetate	6.982	43	5927	2.081	ug/l #	89
38) Carbon Tetrachloride	7.817	117	16911	2.888	ug/l	99
39) Methylcyclohexane	9.109	83	21080	3.063	ug/l #	88
40) Benzene	8.085	78	52645	3.185	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	3981m	2.583	ug/l	
42) 1,2-Dichloroethane	8.158	62	13675	2.879	ug/l	94
43) Isopropyl Acetate	8.201	43	13581	2.338	ug/l #	76
44) Trichloroethene	8.872	130	12654	3.161	ug/l	97
45) 1,2-Dichloropropane	9.146	63	11273	2.725	ug/l	96
46) Dibromomethane	9.231	93	5801	2.566	ug/l	89
47) Bromodichloromethane	9.426	83	15681	2.613	ug/l	94
48) Methyl methacrylate	9.225	41	6104	2.389	ug/l	86
49) 1,4-Dioxane	9.231	88	1396	55.175	ug/l #	97
51) 4-Methyl-2-Pentanone	9.999	43	32904	11.106	ug/l	86
52) Toluene	10.170	92	30649	2.970	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	12582	2.330	ug/l	91
54) cis-1,3-Dichloropropene	9.853	75	16854	2.646	ug/l #	89
55) 1,1,2-Trichloroethane	10.566	97	7351	2.468	ug/l	96
56) Ethyl methacrylate	10.438	69	8803	2.060	ug/l #	60
57) 1,3-Dichloropropane	10.719	76	13916	2.661	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	24174	12.151	ug/l	96
59) 2-Hexanone	10.761	43	21226	10.031	ug/l	87
60) Dibromochloromethane	10.914	129	9167	2.398	ug/l	100
61) 1,2-Dibromoethane	11.018	107	6784	2.521	ug/l	92
64) Tetrachloroethene	10.646	164	10020	2.993	ug/l #	79
65) Chlorobenzene	11.438	112	31808	2.955	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	9212	2.529	ug/l	97
67) Ethyl Benzene	11.517	91	58088	2.970	ug/l	97
68) m/p-Xylenes	11.627	106	40943	5.669	ug/l	86
69) o-Xylene	11.956	106	19049	2.745	ug/l	82
70) Styrene	11.969	104	30774	2.629	ug/l	96
71) Bromoform	12.133	173	4584	2.351	ug/l #	92
73) Isopropylbenzene	12.255	105	52117	3.095	ug/l	99
74) N-amyl acetate	12.072	43	10619	2.381	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.511	83	8328	2.783	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	4552m	1.161	ug/l	
77) Bromobenzene	12.529	156	10579	2.961	ug/l	85
78) n-propylbenzene	12.597	91	64076	3.149	ug/l	99
79) 2-Chlorotoluene	12.676	91	35740	3.064	ug/l	93
80) 1,3,5-Trimethylbenzene	12.731	105	40496	2.978	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	2501m	2.574	ug/l	
82) 4-Chlorotoluene	12.779	91	37170	3.117	ug/l	95
83) tert-Butylbenzene	12.993	119	37736	3.098	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	39510	2.931	ug/l	98
85) sec-Butylbenzene	13.176	105	55169	3.031	ug/l	96
86) p-Isopropyltoluene	13.292	119	42745	2.892	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	22024	3.052	ug/l	96
88) 1,4-Dichlorobenzene	13.285	146	22024	3.107	ug/l	94
89) n-Butylbenzene	13.615	91	42579	2.950	ug/l	99
90) Hexachloroethane	13.877	117	8549	2.971	ug/l	86
91) 1,2-Dichlorobenzene	13.657	146	18649	2.941	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.267	75	1351	2.829	ug/l	69
93) 1,2,4-Trichlorobenzene	14.919	180	8565	2.409	ug/l	98
94) Hexachlorobutadiene	15.023	225	5561	2.813	ug/l	98
95) Naphthalene	15.145	128	13678	2.040	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	8009	2.665	ug/l	92

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

