

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091124\
 Data File : VY019504.D
 Acq On : 11 Sep 2024 12:15
 Operator : SY/MD
 Sample : P3390-01 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 12 05:48:38 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	496353	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	846160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	711621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	323783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	222108	48.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.660%		
35) Dibromofluoromethane	7.634	113	226371	47.184	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.360%		
50) Toluene-d8	10.109	98	837377	47.189	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.380%		
62) 4-Bromofluorobenzene	12.408	95	291761	42.761	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	85.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	11855	3.778	ug/l	97
3) Chloromethane	2.074	50	12192	2.969	ug/l	90
4) Vinyl Chloride	2.208	62	14236	3.206	ug/l	98
5) Bromomethane	2.598	94	10243	3.755	ug/l	96
6) Chloroethane	2.739	64	10521	3.624	ug/l	99
7) Trichlorofluoromethane	3.062	101	29141	3.937	ug/l	96
8) Diethyl Ether	3.458	74	9260	3.727	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	18300	3.996	ug/l	94
10) Methyl Iodide	4.001	142	18090	3.081	ug/l	95
11) Tert butyl alcohol	4.860	59	7810m	21.041	ug/l	
12) 1,1-Dichloroethene	3.793	96	15194	3.450	ug/l	91
13) Acrolein	3.653	56	10450	52.504	ug/l	98
14) Allyl chloride	4.379	41	26757	3.388	ug/l #	93
15) Acrylonitrile	5.055	53	21835	20.380	ug/l	99
16) Acetone	3.879	43	20824	19.018	ug/l	88
17) Carbon Disulfide	4.104	76	19631	1.650	ug/l	98
18) Methyl Acetate	4.379	43	15593	5.248	ug/l #	88
19) Methyl tert-butyl Ether	5.104	73	51895	4.161	ug/l #	90
20) Methylene Chloride	4.616	84	36737	7.357	ug/l #	84
21) trans-1,2-Dichloroethene	5.122	96	15631	3.238	ug/l	94
22) Diisopropyl ether	6.012	45	65493	4.039	ug/l #	84
23) Vinyl Acetate	5.951	43	216837	23.409	ug/l	93
24) 1,1-Dichloroethane	5.909	63	36694	4.032	ug/l	98
25) 2-Butanone	6.896	43	27078	17.388	ug/l #	77
26) 2,2-Dichloropropane	6.884	77	33757	4.112	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	23596	4.024	ug/l	92
28) Bromochloromethane	7.250	49	14281	3.730	ug/l	81
29) Tetrahydrofuran	7.262	42	16520	17.447	ug/l	93
30) Chloroform	7.421	83	40002	4.306	ug/l	97
31) Cyclohexane	7.701	56	32960	4.007	ug/l #	74
32) 1,1,1-Trichloroethane	7.610	97	34861	4.187	ug/l	97
36) 1,1-Dichloropropene	7.835	75	23194	3.553	ug/l	96
37) Ethyl Acetate	6.988	43	12294	3.676	ug/l #	76
38) Carbon Tetrachloride	7.817	117	28723	3.902	ug/l	95
39) Methylcyclohexane	9.103	83	26464	3.046	ug/l	94
40) Benzene	8.079	78	74473	3.704	ug/l	100

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41) Methacrylonitrile	7.220	41	5672m	2.909	ug/l	
42) 1,2-Dichloroethane	8.158	62	21863	4.041	ug/l	99
43) Isopropyl Acetate	8.201	43	26708	3.801	ug/l	91
44) Trichloroethene	8.866	130	18585	3.594	ug/l	92
45) 1,2-Dichloropropane	9.140	63	20489	4.168	ug/l	96
46) Dibromomethane	9.231	93	10756	4.001	ug/l	90
47) Bromodichloromethane	9.426	83	31086	4.302	ug/l	98
48) Methyl methacrylate	9.225	41	12217	3.681	ug/l	89
49) 1,4-Dioxane	9.231	88	2412	76.220	ug/l #	80
51) 4-Methyl-2-Pentanone	10.000	43	68225	19.298	ug/l	90
52) Toluene	10.170	92	47420	3.667	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	27462	3.987	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	31304	3.903	ug/l #	81
55) 1,1,2-Trichloroethane	10.573	97	15441	4.160	ug/l	94
56) Ethyl methacrylate	10.445	69	22213	3.939	ug/l #	86
57) 1,3-Dichloropropane	10.719	76	25943	4.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	50207	19.183	ug/l	98
59) 2-Hexanone	10.762	43	46702	18.019	ug/l	88
60) Dibromochloromethane	10.914	129	19578	3.987	ug/l	99
61) 1,2-Dibromoethane	11.018	107	13714	3.965	ug/l	94
64) Tetrachloroethene	10.646	164	16417	3.725	ug/l	99
65) Chlorobenzene	11.444	112	56608	4.044	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20104	4.148	ug/l	98
67) Ethyl Benzene	11.518	91	99538	4.002	ug/l	99
68) m/p-Xylenes	11.627	106	74284	7.899	ug/l	93
69) o-Xylene	11.956	106	36907	4.013	ug/l	92
70) Styrene	11.969	104	63056	4.061	ug/l	97
71) Bromoform	12.133	173	10730	3.876	ug/l #	99
73) Isopropylbenzene	12.255	105	98683	4.201	ug/l	99
74) N-amyl acetate	12.072	43	24617	3.853	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	17528	4.204	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	10672m	3.517	ug/l	
77) Bromobenzene	12.536	156	22636	4.345	ug/l	93
78) n-propylbenzene	12.597	91	117950	4.236	ug/l	99
79) 2-Chlorotoluene	12.682	91	70554	4.348	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	80890	4.236	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	6035	3.818	ug/l	95
82) 4-Chlorotoluene	12.780	91	71006	4.257	ug/l	95
83) tert-Butylbenzene	12.999	119	77223	4.467	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	80656	4.267	ug/l	98
85) sec-Butylbenzene	13.176	105	111672	4.447	ug/l	98
86) p-Isopropyltoluene	13.292	119	87929	4.279	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	43397	4.287	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	43288	4.309	ug/l	91
89) n-Butylbenzene	13.615	91	83587	4.255	ug/l	99
90) Hexachloroethane	13.877	117	18449	4.315	ug/l	91
91) 1,2-Dichlorobenzene	13.657	146	37978	4.204	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2887	4.155	ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	21035	3.829	ug/l	97
94) Hexachlorobutadiene	15.023	225	12339	4.204	ug/l	97
95) Naphthalene	15.145	128	38801	3.527	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	17551	3.735	ug/l	96

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

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