

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019481.D
 Acq On : 10 Sep 2024 11:33
 Operator : SY/MD
 Sample : P3390-01 4 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 11 06:37:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 06:35:41 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2024
 Supervised By : Mahesh Dadoda 09/11/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	524592	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	928764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	781394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	356447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	285645	58.804	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.600%			
35) Dibromofluoromethane	7.634	113	283949	53.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.840%			
50) Toluene-d8	10.109	98	1069914	54.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.408	95	379665	50.695	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	12641	3.812	ug/l	95
3) Chloromethane	2.068	50	14324	3.300	ug/l	100
4) Vinyl Chloride	2.202	62	16093	3.429	ug/l	94
5) Bromomethane	2.598	94	11178	3.877	ug/l	93
6) Chloroethane	2.732	64	12045	3.926	ug/l	98
7) Trichlorofluoromethane	3.062	101	30048	3.841	ug/l	98
8) Diethyl Ether	3.452	74	11433	4.354	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	18811	3.887	ug/l	94
10) Methyl Iodide	4.007	142	22017	3.548	ug/l	94
11) Tert butyl alcohol	4.860	59	9764m	24.890	ug/l	
12) 1,1-Dichloroethene	3.793	96	16757	3.600	ug/l	93
13) Acrolein	3.653	56	11926	56.694	ug/l	99
14) Allyl chloride	4.385	41	30445	3.648	ug/l #	93
15) Acrylonitrile	5.067	53	26501	23.404	ug/l	94
16) Acetone	3.879	43	24452	21.129	ug/l #	82
17) Carbon Disulfide	4.104	76	23402	1.861	ug/l	99
18) Methyl Acetate	4.385	43	18699	5.954	ug/l #	89
19) Methyl tert-butyl Ether	5.116	73	60295	4.574	ug/l	97
20) Methylene Chloride	4.610	84	32037	6.070	ug/l #	81
21) trans-1,2-Dichloroethene	5.110	96	18347	3.596	ug/l	96
22) Diisopropyl ether	6.018	45	77287	4.509	ug/l	91
23) Vinyl Acetate	5.957	43	264080	26.974	ug/l #	93
24) 1,1-Dichloroethane	5.915	63	41741	4.340	ug/l	99
25) 2-Butanone	6.890	43	32736	19.889	ug/l	92
26) 2,2-Dichloropropane	6.884	77	39000	4.495	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	26788	4.323	ug/l	89
28) Bromochloromethane	7.244	49	16974	4.195	ug/l	89
29) Tetrahydrofuran	7.262	42	21680	21.664	ug/l	86
30) Chloroform	7.421	83	45469	4.631	ug/l	96
31) Cyclohexane	7.701	56	33724	3.879	ug/l #	67
32) 1,1,1-Trichloroethane	7.616	97	38048	4.323	ug/l	97
36) 1,1-Dichloropropene	7.829	75	25225	3.520	ug/l	98
37) Ethyl Acetate	6.988	43	15531	4.230	ug/l	98
38) Carbon Tetrachloride	7.811	117	30481	3.772	ug/l	95
39) Methylcyclohexane	9.109	83	27660	2.901	ug/l #	86
40) Benzene	8.079	78	84698	3.838	ug/l	98

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41) Methacrylonitrile	7.232	41	9928	4.639	ug/l	86
42) 1,2-Dichloroethane	8.158	62	26417	4.448	ug/l	99
43) Isopropyl Acetate	8.195	43	32645	4.232	ug/l #	82
44) Trichloroethene	8.865	130	22525	3.969	ug/l	98
45) 1,2-Dichloropropane	9.140	63	23594	4.373	ug/l	98
46) Dibromomethane	9.231	93	13240	4.487	ug/l	86
47) Bromodichloromethane	9.420	83	35399	4.463	ug/l	99
48) Methyl methacrylate	9.219	41	14203	3.899	ug/l #	80
49) 1,4-Dioxane	9.231	88	3038	87.464	ug/l #	78
51) 4-Methyl-2-Pentanone	9.999	43	84856	21.867	ug/l	92
52) Toluene	10.170	92	56649	3.991	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	31476	4.163	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	36577	4.155	ug/l #	89
55) 1,1,2-Trichloroethane	10.572	97	18859	4.628	ug/l	94
56) Ethyl methacrylate	10.438	69	25354	4.096	ug/l #	80
57) 1,3-Dichloropropane	10.719	76	30756	4.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	53650	18.675	ug/l	98
59) 2-Hexanone	10.761	43	58512	20.567	ug/l	90
60) Dibromochloromethane	10.914	129	23568	4.373	ug/l	98
61) 1,2-Dibromoethane	11.018	107	16040	4.225	ug/l	99
64) Tetrachloroethene	10.646	164	18387	3.800	ug/l	95
65) Chlorobenzene	11.444	112	65526	4.263	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	24049	4.519	ug/l	96
67) Ethyl Benzene	11.517	91	114875	4.206	ug/l	98
68) m/p-Xylenes	11.633	106	85309	8.261	ug/l	91
69) o-Xylene	11.956	106	44179	4.374	ug/l	98
70) Styrene	11.969	104	72705	4.264	ug/l	95
71) Bromoform	12.133	173	13253	4.360	ug/l #	98
73) Isopropylbenzene	12.255	105	114422	4.425	ug/l	100
74) N-amyl acetate	12.072	43	30738	4.371	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	21628	4.712	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	13690m	4.098	ug/l	
77) Bromobenzene	12.529	156	25319	4.415	ug/l	91
78) n-propylbenzene	12.597	91	137140	4.474	ug/l	99
79) 2-Chlorotoluene	12.682	91	80106	4.485	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	95021	4.520	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	7323	4.208	ug/l	92
82) 4-Chlorotoluene	12.779	91	86605	4.716	ug/l	93
83) tert-Butylbenzene	12.999	119	88887	4.671	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	93833	4.509	ug/l	97
85) sec-Butylbenzene	13.176	105	125427	4.537	ug/l	99
86) p-Isopropyltoluene	13.291	119	103243	4.564	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	52024	4.668	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	50404	4.557	ug/l	91
89) n-Butylbenzene	13.615	91	96277	4.452	ug/l	98
90) Hexachloroethane	13.883	117	21374	4.541	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	46605	4.686	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3854	5.038	ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	27195	4.496	ug/l	96
94) Hexachlorobutadiene	15.023	225	14265	4.415	ug/l	97
95) Naphthalene	15.145	128	51398	4.243	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	22396	4.329	ug/l	96

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

