

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010508.D
 Acq On : 15 Sep 2022 14:05
 Operator : KP/MD
 Sample : N3980-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Sep 16 04:55:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 16 04:54:10 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	209295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	334897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	299886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108200	51.330	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	102.660%		
35) Dibromofluoromethane	7.710	113	107226	45.082	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.160%		
50) Toluene-d8	10.179	98	383281	49.722	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.440%		
62) 4-Bromofluorobenzene	12.477	95	134738	38.090	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6760	4.215	ug/l	99
3) Chloromethane	2.107	50	7051	2.999	ug/l	98
4) Vinyl Chloride	2.247	62	7901	2.724	ug/l	96
5) Bromomethane	2.644	94	6446	3.172	ug/l	92
6) Chloroethane	2.790	64	5431	2.799	ug/l	98
7) Trichlorofluoromethane	3.119	101	10167	2.767	ug/l #	84
8) Diethyl Ether	3.528	74	3418	2.872	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	6157	2.862	ug/l	93
10) Methyl Iodide	4.082	142	6511	2.446	ug/l	91
11) Tert butyl alcohol	4.930	59	6363	22.348	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	5409	2.680	ug/l	81
13) Acrolein	3.723	56	2007	9.980	ug/l	93
14) Allyl chloride	4.473	41	7896	2.717	ug/l #	94
15) Acrylonitrile	5.155	53	7603	13.197	ug/l	98
16) Acetone	3.942	43	8833	18.259	ug/l	92
17) Carbon Disulfide	4.186	76	13711	2.512	ug/l	98
18) Methyl Acetate	4.479	43	5764	3.873	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	14523	2.606	ug/l	93
20) Methylene Chloride	4.710	84	32934	11.155	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	6107	2.665	ug/l	88
22) Diisopropyl ether	6.112	45	16616	2.561	ug/l #	92
23) Vinyl Acetate	6.058	43	42293	10.636	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	11003	2.801	ug/l #	96
25) 2-Butanone	6.984	43	12457	16.203	ug/l	93
26) 2,2-Dichloropropane	6.978	77	13728	3.662	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	7124	2.674	ug/l	91
28) Bromochloromethane	7.326	49	4014	3.187	ug/l #	85
29) Tetrahydrofuran	7.350	42	6403	13.345	ug/l #	83
30) Chloroform	7.509	83	11786	2.828	ug/l	97
31) Cyclohexane	7.783	56	12887	3.619	ug/l #	50
32) 1,1,1-Trichloroethane	7.698	97	10537	2.793	ug/l	97
36) 1,1-Dichloropropene	7.917	75	8757	2.689	ug/l	97
37) Ethyl Acetate	7.076	43	4146	2.422	ug/l #	87
38) Carbon Tetrachloride	7.899	117	9708	2.680	ug/l	99
39) Methylcyclohexane	9.179	83	10002	2.464	ug/l	87
40) Benzene	8.155	78	25618	2.733	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2179	2.227	ug/l #	44
42) 1,2-Dichloroethane	8.234	62	7614	2.732	ug/l	94
43) Isopropyl Acetate	8.271	43	7392	2.360	ug/l #	95
44) Trichloroethene	8.935	130	7066	2.561	ug/l	84
45) 1,2-Dichloropropane	9.216	63	6046	2.645	ug/l #	83
46) Dibromomethane	9.301	93	3843	2.788	ug/l	93
47) Bromodichloromethane	9.496	83	8525	2.603	ug/l	94
48) Methyl methacrylate	9.289	41	3352	2.383	ug/l #	84
49) 1,4-Dioxane	9.295	88	979	53.647	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	20590	11.983	ug/l	92
52) Toluene	10.240	92	16820	2.742	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	8217	2.438	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	9610	2.528	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	5126	2.614	ug/l	92
56) Ethyl methacrylate	10.508	69	5572	2.164	ug/l	88
57) 1,3-Dichloropropane	10.788	76	8480	2.601	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	15286	17.448	ug/l	92
59) 2-Hexanone	10.831	43	12876	10.993	ug/l	88
60) Dibromochloromethane	10.977	129	5856	2.444	ug/l	95
61) 1,2-Dibromoethane	11.087	107	5061	2.659	ug/l	96
64) Tetrachloroethene	10.715	164	7362	2.724	ug/l	94
65) Chlorobenzene	11.514	112	17295	2.579	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	6436	2.591	ug/l	96
67) Ethyl Benzene	11.587	91	29557	2.490	ug/l	99
68) m/p-Xylenes	11.703	106	22664	4.864	ug/l	94
69) o-Xylene	12.026	106	10729	2.411	ug/l	95
70) Styrene	12.044	104	16860	2.239	ug/l	96
71) Bromoform	12.209	173	3842	2.474	ug/l #	93
73) Isopropylbenzene	12.325	105	28410	2.416	ug/l	99
74) N-amyl acetate	12.142	43	5793	2.112	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	5976	2.717	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	4451m	2.676	ug/l	
77) Bromobenzene	12.605	156	7134	2.561	ug/l	93
78) n-propylbenzene	12.666	91	33850	2.431	ug/l	97
79) 2-Chlorotoluene	12.752	91	20169	2.579	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	26212	2.642	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	1721m	2.298	ug/l	
82) 4-Chlorotoluene	12.855	91	20488	2.518	ug/l	98
83) tert-Butylbenzene	13.075	119	20794	2.398	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	24705	2.545	ug/l	98
85) sec-Butylbenzene	13.251	105	31207	2.431	ug/l	97
86) p-Isopropyltoluene	13.367	119	25455	2.344	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	13861	2.478	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	14494	2.616	ug/l	89
89) n-Butylbenzene	13.696	91	23908	2.425	ug/l	100
90) Hexachloroethane	13.959	117	5185	2.543	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	12619	2.547	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1058	2.850	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	6869	2.232	ug/l	93
94) Hexachlorobutadiene	15.111	225	4769	2.568	ug/l	99
95) Naphthalene	15.233	128	13664	2.251	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	6005	2.235	ug/l	97

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

