

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016223.D
 Acq On : 03 Nov 2023 20:41
 Operator : SY/MD
 Sample : 04699-02 5.0 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Nov 03 23:09:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	150797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	251803	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	221686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	101060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	75153	53.260	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.520%			
35) Dibromofluoromethane	7.740	113	70790	47.156	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.320%			
50) Toluene-d8	10.197	98	286094	48.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.140%			
62) 4-Bromofluorobenzene	12.495	95	94139	46.255	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	4361	4.534	ug/l	97
3) Chloromethane	2.125	50	5746	4.314	ug/l	98
4) Vinyl Chloride	2.259	62	6994	5.088	ug/l	94
5) Bromomethane	2.668	94	4720	5.088	ug/l	87
6) Chloroethane	2.808	64	4336	4.481	ug/l	95
7) Trichlorofluoromethane	3.143	101	10690	5.151	ug/l	91
8) Diethyl Ether	3.546	74	3396	4.938	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.918	101	5913	4.523	ug/l	98
10) Methyl Iodide	4.113	142	6621	4.555	ug/l	98
11) Tert butyl alcohol	4.985	59	3824	36.272	ug/l #	82
12) 1,1-Dichloroethene	3.899	96	5743	4.813	ug/l	85
13) Acrolein	3.741	56	2150	14.282	ug/l	94
14) Allyl chloride	4.503	41	8919	5.226	ug/l	96
15) Acrylonitrile	5.192	53	7707	26.223	ug/l	93
16) Acetone	3.966	43	6892	12.469	ug/l	95
17) Carbon Disulfide	4.216	76	12734	4.275	ug/l	97
18) Methyl Acetate	4.497	43	6038	5.321	ug/l #	89
19) Methyl tert-butyl Ether	5.247	73	17369	5.117	ug/l	96
20) Methylene Chloride	4.741	84	13563	6.820	ug/l	92
21) trans-1,2-Dichloroethene	5.247	96	6563	4.722	ug/l	91
22) Diisopropyl ether	6.143	45	21162	5.126	ug/l	93
23) Vinyl Acetate	6.088	43	47267	23.320	ug/l	96
24) 1,1-Dichloroethane	6.045	63	12989	5.257	ug/l	97
25) 2-Butanone	7.015	43	9455	24.287	ug/l	100
26) 2,2-Dichloropropane	7.009	77	11249	4.816	ug/l	98
27) cis-1,2-Dichloroethene	7.015	96	8306	5.078	ug/l	92
28) Bromochloromethane	7.356	49	4385	4.743	ug/l #	89
29) Tetrahydrofuran	7.374	42	5998	24.579	ug/l	89
30) Chloroform	7.527	83	16668	6.197	ug/l	94
31) Cyclohexane	7.807	56	12058	5.559	ug/l #	63
32) 1,1,1-Trichloroethane	7.722	97	12340	5.002	ug/l	98
36) 1,1-Dichloropropene	7.941	75	10453	4.822	ug/l	97
37) Ethyl Acetate	7.100	43	4001	4.144	ug/l #	97
38) Carbon Tetrachloride	7.923	117	10538	4.907	ug/l	91
39) Methylcyclohexane	9.203	83	11245	4.346	ug/l	90
40) Benzene	8.179	78	29199	4.692	ug/l	96

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41) Methacrylonitrile	7.344	41	2607m	4.652	ug/l	
42) 1,2-Dichloroethane	8.258	62	8741	5.033	ug/l	88
43) Isopropyl Acetate	8.289	43	9156	4.794	ug/l	92
44) Trichloroethene	8.959	130	8698	4.776	ug/l	91
45) 1,2-Dichloropropane	9.234	63	7224	4.825	ug/l #	86
46) Dibromomethane	9.319	93	4014	4.727	ug/l	97
47) Bromodichloromethane	9.514	83	11999	5.561	ug/l	95
48) Methyl methacrylate	9.313	41	4063	4.679	ug/l	93
49) 1,4-Dioxane	9.313	88	964	Below Cal	#	58
51) 4-Methyl-2-Pentanone	10.087	43	23192	24.338	ug/l	93
52) Toluene	10.264	92	19850	4.922	ug/l	97
53) t-1,3-Dichloropropene	10.484	75	10117	4.697	ug/l	91
54) cis-1,3-Dichloropropene	9.947	75	11963	4.733	ug/l #	87
55) 1,1,2-Trichloroethane	10.660	97	5807	4.861	ug/l	93
56) Ethyl methacrylate	10.526	69	6805	4.386	ug/l	87
57) 1,3-Dichloropropane	10.807	76	9889	4.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	17859	23.740	ug/l	90
59) 2-Hexanone	10.849	43	14465	22.152	ug/l	86
60) Dibromochloromethane	10.996	129	7385	4.928	ug/l	99
61) 1,2-Dibromoethane	11.105	107	5457	4.803	ug/l	91
64) Tetrachloroethene	10.734	164	8988	4.558	ug/l	93
65) Chlorobenzene	11.532	112	21120	4.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	7963	4.881	ug/l	96
67) Ethyl Benzene	11.605	91	36177	4.592	ug/l	99
68) m/p-Xylenes	11.715	106	28025	9.206	ug/l	93
69) o-Xylene	12.044	106	13114	4.512	ug/l	95
70) Styrene	12.056	104	20669	4.278	ug/l	98
71) Bromoform	12.221	173	4213	4.655	ug/l #	100
73) Isopropylbenzene	12.343	105	35179	4.641	ug/l	98
74) N-amyl acetate	12.154	43	7089	4.303	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.599	83	6480	5.372	ug/l	95
76) 1,2,3-Trichloropropane	12.648	75	4367m	4.589	ug/l	
77) Bromobenzene	12.623	156	8484	4.943	ug/l	92
78) n-propylbenzene	12.684	91	41554	4.636	ug/l	99
79) 2-Chlorotoluene	12.770	91	23501	4.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	28198	4.591	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	2067	4.709	ug/l	85
82) 4-Chlorotoluene	12.867	91	24983	4.867	ug/l	100
83) tert-Butylbenzene	13.087	119	25399	4.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	27737	4.564	ug/l	98
85) sec-Butylbenzene	13.270	105	37946	4.705	ug/l	97
86) p-Isopropyltoluene	13.379	119	30768	4.603	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	15784	4.649	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	15748	4.693	ug/l	90
89) n-Butylbenzene	13.709	91	27775	4.522	ug/l	96
90) Hexachloroethane	13.971	117	5672	4.924	ug/l	95
91) 1,2-Dichlorobenzene	13.751	146	14504	4.945	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1159	5.369	ug/l	80
93) 1,2,4-Trichlorobenzene	15.019	180	7816	4.317	ug/l	98
94) Hexachlorobutadiene	15.129	225	4861	4.914	ug/l	95
95) Naphthalene	15.251	128	14674	4.172	ug/l	96
96) 1,2,3-Trichlorobenzene	15.434	180	6621	4.281	ug/l	98

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

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