

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016025.D
 Acq On : 18 Oct 2023 17:17
 Operator : SY/MD
 Sample : 04699-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 19 04:41:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 04:37:27 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/19/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	198339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	287690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	112334	49.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.722	113	100324	47.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.260%		
50) Toluene-d8	10.185	98	358490	46.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.483	95	127290	46.635	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	5971	3.643	ug/l	97
3) Chloromethane	2.113	50	8072	3.900	ug/l	97
4) Vinyl Chloride	2.247	62	8860	3.814	ug/l	95
5) Bromomethane	2.656	94	7110	4.196	ug/l	96
6) Chloroethane	2.790	64	5723	3.831	ug/l	97
7) Trichlorofluoromethane	3.125	101	15556	4.400	ug/l	92
8) Diethyl Ether	3.534	74	5204	4.167	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	8267	4.065	ug/l	92
10) Methyl Iodide	4.088	142	9906	3.731	ug/l	97
11) Tert butyl alcohol	5.027	59	7946m	22.834	ug/l	
12) 1,1-Dichloroethene	3.869	96	7496	3.940	ug/l	88
13) Acrolein	3.741	56	6640	22.152	ug/l	99
14) Allyl chloride	4.485	41	11190	3.761	ug/l	97
15) Acrylonitrile	5.186	53	17332	23.261	ug/l	98
16) Acetone	3.985	43	21894	26.201	ug/l	92
17) Carbon Disulfide	4.192	76	20880	3.746	ug/l	100
18) Methyl Acetate	4.491	43	14403	5.008	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	24386	3.973	ug/l	97
20) Methylene Chloride	4.716	84	32503	13.093	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	8479	3.827	ug/l	91
22) Diisopropyl ether	6.131	45	24338	3.757	ug/l	97
23) Vinyl Acetate	6.070	43	77124	19.191	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	14438	3.757	ug/l	94
25) 2-Butanone	7.003	43	27533	24.055	ug/l	95
26) 2,2-Dichloropropane	6.984	77	12635	3.654	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	9892	3.876	ug/l	91
28) Bromochloromethane	7.332	49	6553	3.987	ug/l #	86
29) Tetrahydrofuran	7.368	42	16262	23.472	ug/l #	88
30) Chloroform	7.509	83	15895	3.857	ug/l	89
31) Cyclohexane	7.789	56	15355	4.352	ug/l #	77
32) 1,1,1-Trichloroethane	7.704	97	13542	3.673	ug/l	98
36) 1,1-Dichloropropene	7.923	75	11530	3.639	ug/l	99
37) Ethyl Acetate	7.088	43	9823	4.300	ug/l #	90
38) Carbon Tetrachloride	7.905	117	12376	3.675	ug/l	93
39) Methylcyclohexane	9.191	83	13530	3.417	ug/l	87
40) Benzene	8.161	78	33023	3.698	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	5280	4.456	ug/l #	88
42) 1,2-Dichloroethane	8.240	62	11481	3.991	ug/l	92
43) Isopropyl Acetate	8.277	43	16998	4.256	ug/l	98
44) Trichloroethene	8.947	130	9806	3.916	ug/l	98
45) 1,2-Dichloropropane	9.222	63	8420	3.767	ug/l	98
46) Dibromomethane	9.313	93	5930	3.996	ug/l	96
47) Bromodichloromethane	9.502	83	12144	3.734	ug/l	100
48) Methyl methacrylate	9.301	41	7292	4.011	ug/l	95
49) 1,4-Dioxane	9.362	88	2439m	103.225	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	51114	22.257	ug/l	94
52) Toluene	10.246	92	22105	3.816	ug/l	92
53) t-1,3-Dichloropropene	10.471	75	12857	3.649	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	14040	3.656	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	8348	4.095	ug/l	95
56) Ethyl methacrylate	10.514	69	10815	3.630	ug/l	89
57) 1,3-Dichloropropane	10.795	76	13658	3.949	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	30947	21.626	ug/l	95
59) 2-Hexanone	10.837	43	39209	22.440	ug/l	91
60) Dibromochloromethane	10.990	129	9722	3.943	ug/l	98
61) 1,2-Dibromoethane	11.093	107	8517	4.105	ug/l	98
64) Tetrachloroethene	10.721	164	8603	3.856	ug/l	95
65) Chlorobenzene	11.520	112	24091	3.867	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	8666	3.690	ug/l	98
67) Ethyl Benzene	11.593	91	40366	3.661	ug/l	98
68) m/p-Xylenes	11.709	106	30871	7.181	ug/l	97
69) o-Xylene	12.032	106	14440	3.531	ug/l	98
70) Styrene	12.050	104	24800	3.558	ug/l	95
71) Bromoform	12.209	173	6833	4.135	ug/l #	97
73) Isopropylbenzene	12.337	105	38122	3.479	ug/l	99
74) N-amyl acetate	12.148	43	12962	3.745	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	12254	4.465	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	10108m	4.873	ug/l	
77) Bromobenzene	12.611	156	10400	3.910	ug/l	96
78) n-propylbenzene	12.672	91	46687	3.537	ug/l	96
79) 2-Chlorotoluene	12.764	91	26728	3.608	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	32602	3.592	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	3495	3.678	ug/l	98
82) 4-Chlorotoluene	12.861	91	28578	3.696	ug/l	98
83) tert-Butylbenzene	13.081	119	28071	3.527	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	31818	3.530	ug/l	97
85) sec-Butylbenzene	13.258	105	42650	3.588	ug/l	99
86) p-Isopropyltoluene	13.373	119	34332	3.456	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	19441	3.757	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	20157	3.868	ug/l	95
89) n-Butylbenzene	13.696	91	32691	3.535	ug/l	97
90) Hexachloroethane	13.965	117	7153	3.777	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	18664	3.928	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2318	4.437	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	11229	3.710	ug/l	98
94) Hexachlorobutadiene	15.117	225	6258	3.806	ug/l	98
95) Naphthalene	15.239	128	28512	3.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10533	3.810	ug/l	99

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

