

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016153.D
 Acq On : 31 Oct 2023 17:59
 Operator : SY/MD
 Sample : 04699-01 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Quant Time: Nov 01 03:40:18 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 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	166148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	273252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88254	56.766	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.540%			
35) Dibromofluoromethane	7.728	113	81951	50.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.185	98	333109	51.574	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.489	95	112650	51.006	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4048	3.819	ug/l	94
3) Chloromethane	2.113	50	6486	4.420	ug/l	92
4) Vinyl Chloride	2.253	62	6432	4.247	ug/l	97
5) Bromomethane	2.656	94	4367	4.273	ug/l	95
6) Chloroethane	2.796	64	4432	4.157	ug/l #	85
7) Trichlorofluoromethane	3.125	101	8798	3.848	ug/l	93
8) Diethyl Ether	3.534	74	3406	4.495	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	5743	3.987	ug/l	94
10) Methyl Iodide	4.088	142	6896	4.305	ug/l	94
11) Tert butyl alcohol	4.960	59	4428	38.120	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	5419	4.122	ug/l	97
13) Acrolein	3.735	56	2687	17.366	ug/l	99
14) Allyl chloride	4.485	41	7654	4.070	ug/l #	92
15) Acrylonitrile	5.167	53	7413	22.892	ug/l	96
16) Acetone	3.960	43	10215	23.904	ug/l #	77
17) Carbon Disulfide	4.204	76	13115	3.996	ug/l	96
18) Methyl Acetate	4.479	43	5449	4.358	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	16053	4.293	ug/l	100
20) Methylene Chloride	4.729	84	14585	6.578	ug/l #	82
21) trans-1,2-Dichloroethene	5.228	96	6429	4.198	ug/l	92
22) Diisopropyl ether	6.125	45	18874	4.150	ug/l	90
23) Vinyl Acetate	6.070	43	45923	20.564	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	11591	4.258	ug/l	94
25) 2-Butanone	6.996	43	11048	25.757	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	10447	4.060	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	7824	4.341	ug/l	92
28) Bromochloromethane	7.338	49	4056	3.982	ug/l #	90
29) Tetrahydrofuran	7.350	42	5903	21.954	ug/l	92
30) Chloroform	7.508	83	12632	4.262	ug/l	95
31) Cyclohexane	7.789	56	11659	4.878	ug/l #	56
32) 1,1,1-Trichloroethane	7.710	97	10715	3.942	ug/l	95
36) 1,1-Dichloropropene	7.923	75	8769	3.728	ug/l	95
37) Ethyl Acetate	7.082	43	4814	4.595	ug/l	96
38) Carbon Tetrachloride	7.905	117	8373	3.593	ug/l #	92
39) Methylcyclohexane	9.191	83	10393	3.701	ug/l	99
40) Benzene	8.167	78	28392	4.204	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	2399	3.945	ug/l #	93
42) 1,2-Dichloroethane	8.240	62	8126	4.312	ug/l	92
43) Isopropyl Acetate	8.277	43	8477	4.090	ug/l #	91
44) Trichloroethene	8.947	130	8113	4.105	ug/l	89
45) 1,2-Dichloropropane	9.216	63	6608	4.067	ug/l	98
46) Dibromomethane	9.313	93	3833	4.159	ug/l	98
47) Bromodichloromethane	9.502	83	9645	4.119	ug/l #	97
48) Methyl methacrylate	9.295	41	3614	3.835	ug/l #	87
49) 1,4-Dioxane	9.301	88	1499	23.353	ug/l #	33
51) 4-Methyl-2-Pentanone	10.075	43	22467	21.726	ug/l	90
52) Toluene	10.246	92	18591	4.248	ug/l	90
53) t-1,3-Dichloropropene	10.471	75	9475	4.053	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	11015	4.016	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	5635	4.347	ug/l	93
56) Ethyl methacrylate	10.514	69	6782	4.028	ug/l #	87
57) 1,3-Dichloropropane	10.794	76	9041	4.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	17300	21.191	ug/l	92
59) 2-Hexanone	10.837	43	15136	21.360	ug/l	95
60) Dibromochloromethane	10.990	129	6812	4.189	ug/l	95
61) 1,2-Dibromoethane	11.099	107	5533	4.487	ug/l	95
64) Tetrachloroethene	10.727	164	8724	4.050	ug/l	97
65) Chlorobenzene	11.520	112	19766	4.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	7338	4.118	ug/l	97
67) Ethyl Benzene	11.599	91	33611	3.906	ug/l	99
68) m/p-Xylenes	11.709	106	24994	7.516	ug/l	100
69) o-Xylene	12.038	106	12444	3.919	ug/l	95
70) Styrene	12.050	104	20333	3.852	ug/l	96
71) Bromoform	12.215	173	3884	3.929	ug/l #	97
73) Isopropylbenzene	12.337	105	32122	3.685	ug/l	98
74) N-amyl acetate	12.148	43	7314	3.861	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	5758	4.151	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	3774m	3.449	ug/l	
77) Bromobenzene	12.611	156	8064	4.085	ug/l	92
78) n-propylbenzene	12.678	91	39006	3.785	ug/l	97
79) 2-Chlorotoluene	12.764	91	22378	3.893	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	26958	3.817	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	2064	4.089	ug/l	94
82) 4-Chlorotoluene	12.861	91	23342	3.955	ug/l	97
83) tert-Butylbenzene	13.081	119	24922	3.944	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	27813	3.980	ug/l	99
85) sec-Butylbenzene	13.257	105	35251	3.801	ug/l	99
86) p-Isopropyltoluene	13.373	119	29132	3.790	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	15984	4.094	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	16156	4.187	ug/l	94
89) n-Butylbenzene	13.703	91	27929	3.954	ug/l	98
90) Hexachloroethane	13.965	117	4842	3.655	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	14220	4.216	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1304m	5.253	ug/l	
93) 1,2,4-Trichlorobenzene	15.013	180	9083	4.363	ug/l	97
94) Hexachlorobutadiene	15.117	225	5122	4.502	ug/l	98
95) Naphthalene	15.245	128	18290	4.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7915	4.451	ug/l	98

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

