

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
 Data File : VY016251.D
 Acq On : 07 Nov 2023 17:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

Quant Time: Nov 07 23:45:32 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	157103	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	257253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	224074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78193	53.190	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.380%			
35) Dibromofluoromethane	7.716	113	78667	51.293	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.580%			
50) Toluene-d8	10.179	98	314941	51.794	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.483	95	105193	50.591	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49217	49.111	ug/l	97
3) Chloromethane	2.113	50	65470	47.185	ug/l	97
4) Vinyl Chloride	2.247	62	72793	50.831	ug/l	99
5) Bromomethane	2.650	94	48306	49.983	ug/l	99
6) Chloroethane	2.796	64	50909	50.495	ug/l	98
7) Trichlorofluoromethane	3.125	101	114512	52.967	ug/l	98
8) Diethyl Ether	3.528	74	39661	55.350	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.900	101	72903	53.527	ug/l	97
10) Methyl Iodide	4.095	142	79850	52.723	ug/l	97
11) Tert butyl alcohol	4.960	59	28607	260.452	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	65249	52.488	ug/l	90
13) Acrolein	3.729	56	24194	239.371	ug/l	97
14) Allyl chloride	4.485	41	100616	56.586	ug/l #	93
15) Acrylonitrile	5.161	53	84388	275.605	ug/l	98
16) Acetone	3.948	43	59812	255.284	ug/l	97
17) Carbon Disulfide	4.198	76	157372	50.706	ug/l	99
18) Methyl Acetate	4.479	43	66202	55.998	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	191508	54.159	ug/l	99
20) Methylene Chloride	4.716	84	79574	53.428	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	77009	53.182	ug/l	96
22) Diisopropyl ether	6.125	45	239440	55.673	ug/l #	87
23) Vinyl Acetate	6.064	43	574876	272.245	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	142720	55.447	ug/l	95
25) 2-Butanone	6.984	43	104935	258.731	ug/l	96
26) 2,2-Dichloropropane	6.984	77	125471	51.566	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	93227	54.708	ug/l	92
28) Bromochloromethane	7.338	49	52118	54.109	ug/l	91
29) Tetrahydrofuran	7.350	42	70229	276.233	ug/l	91
30) Chloroform	7.509	83	152952	54.580	ug/l	97
31) Cyclohexane	7.789	56	111845	49.493	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	136801	53.230	ug/l	97
36) 1,1-Dichloropropene	7.917	75	110255	49.786	ug/l	99
37) Ethyl Acetate	7.076	43	49546	50.230	ug/l #	94
38) Carbon Tetrachloride	7.905	117	120383	54.868	ug/l	98
39) Methylcyclohexane	9.185	83	133498	50.501	ug/l	93
40) Benzene	8.161	78	325188	51.147	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24792	43.301	ug/l	94
42) 1,2-Dichloroethane	8.240	62	88911	50.111	ug/l	93
43) Isopropyl Acetate	8.271	43	100727	51.625	ug/l	92
44) Trichloroethene	8.941	130	92814	49.885	ug/l	100
45) 1,2-Dichloropropane	9.216	63	83086	54.324	ug/l	98
46) Dibromomethane	9.307	93	45232	52.133	ug/l	97
47) Bromodichloromethane	9.496	83	118361	53.692	ug/l	99
48) Methyl methacrylate	9.295	41	43795	49.362	ug/l #	85
49) 1,4-Dioxane	9.301	88	10415	1010.218	ug/l #	61
51) 4-Methyl-2-Pentanone	10.069	43	252690	259.558	ug/l	91
52) Toluene	10.246	92	210521	51.099	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	115214	52.355	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	134928	52.252	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	64970	53.235	ug/l	97
56) Ethyl methacrylate	10.508	69	83454	52.653	ug/l #	83
57) 1,3-Dichloropropane	10.789	76	107924	51.945	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	203090	264.244	ug/l	94
59) 2-Hexanone	10.831	43	168926	253.213	ug/l	89
60) Dibromochloromethane	10.984	129	81670	53.340	ug/l	100
61) 1,2-Dibromoethane	11.093	107	60071	51.747	ug/l	100
64) Tetrachloroethene	10.721	164	94544	47.435	ug/l	97
65) Chlorobenzene	11.520	112	227238	51.044	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	88434	53.632	ug/l	98
67) Ethyl Benzene	11.593	91	407476	51.174	ug/l	98
68) m/p-Xylenes	11.703	106	313681	101.948	ug/l	94
69) o-Xylene	12.032	106	148752	50.635	ug/l	97
70) Styrene	12.044	104	248653	50.914	ug/l	97
71) Bromoform	12.209	173	49294	53.888	ug/l #	98
73) Isopropylbenzene	12.331	105	401339	50.787	ug/l	100
74) N-amyl acetate	12.142	43	85685	49.897	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	67029	53.304	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	53270m	53.696	ug/l	
77) Bromobenzene	12.611	156	92506	51.698	ug/l	94
78) n-propylbenzene	12.672	91	479770	51.352	ug/l	99
79) 2-Chlorotoluene	12.758	91	264918	50.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	324899	50.747	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	23675	51.743	ug/l	91
82) 4-Chlorotoluene	12.855	91	271230	50.689	ug/l	98
83) tert-Butylbenzene	13.075	119	297425	51.920	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	319519	50.437	ug/l	98
85) sec-Butylbenzene	13.258	105	436394	51.903	ug/l	100
86) p-Isopropyltoluene	13.373	119	358667	51.471	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	179389	50.691	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	176321	50.411	ug/l	99
89) n-Butylbenzene	13.697	91	330306	51.587	ug/l	97
90) Hexachloroethane	13.965	117	68239	56.825	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	156013	51.024	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9946	44.196	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	89098	47.211	ug/l	97
94) Hexachlorobutadiene	15.117	225	51402	49.844	ug/l	98
95) Naphthalene	15.239	128	165170	45.051	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	73913	45.848	ug/l	98

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

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