

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
 Data File : VY016241.D
 Acq On : 06 Nov 2023 16:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 06 23:59:53 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	7.795	168	172724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	276378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	236248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74588	46.149	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.300%		
35) Dibromofluoromethane	7.728	113	75552	45.853	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.700%		
50) Toluene-d8	10.185	98	311405	47.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.489	95	104071	46.588	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	57857	52.512	ug/l	97
3) Chloromethane	2.113	50	73317	48.062	ug/l	99
4) Vinyl Chloride	2.253	62	85758	54.468	ug/l	96
5) Bromomethane	2.656	94	54840	51.612	ug/l	96
6) Chloroethane	2.796	64	57866	52.205	ug/l	96
7) Trichlorofluoromethane	3.131	101	132129	55.588	ug/l	99
8) Diethyl Ether	3.534	74	40505	51.415	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.905	101	80955	54.063	ug/l	97
10) Methyl Iodide	4.100	142	86849	52.158	ug/l	98
11) Tert butyl alcohol	4.966	59	30282	250.768	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	73467	53.754	ug/l	88
13) Acrolein	3.735	56	24627	220.975	ug/l	99
14) Allyl chloride	4.491	41	110965	56.762	ug/l #	95
15) Acrylonitrile	5.167	53	82730	245.754	ug/l	98
16) Acetone	3.954	43	56118	214.827	ug/l	91
17) Carbon Disulfide	4.198	76	176710	51.788	ug/l	100
18) Methyl Acetate	4.478	43	64989	50.000	ug/l	91
19) Methyl tert-butyl Ether	5.228	73	202051	51.973	ug/l	99
20) Methylene Chloride	4.722	84	85685	52.261	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	84238	52.913	ug/l	95
22) Diisopropyl ether	6.125	45	258436	54.656	ug/l	90
23) Vinyl Acetate	6.070	43	592949	255.408	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	155814	55.060	ug/l	96
25) 2-Butanone	6.990	43	106376	238.563	ug/l	91
26) 2,2-Dichloropropane	6.990	77	149410	55.851	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	101487	54.169	ug/l	92
28) Bromochloromethane	7.338	49	50743	47.917	ug/l	87
29) Tetrahydrofuran	7.356	42	69731	249.469	ug/l	90
30) Chloroform	7.515	83	164512	53.396	ug/l	98
31) Cyclohexane	7.795	56	127320	51.245	ug/l	93
32) 1,1,1-Trichloroethane	7.716	97	153055	54.169	ug/l	97
36) 1,1-Dichloropropene	7.923	75	123820	52.042	ug/l	97
37) Ethyl Acetate	7.082	43	50580	47.730	ug/l #	94
38) Carbon Tetrachloride	7.911	117	136654	57.974	ug/l	99
39) Methylcyclohexane	9.191	83	148478	52.281	ug/l	92
40) Benzene	8.167	78	354392	51.883	ug/l	99

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41) Methacrylonitrile	7.313	41	28935	47.040	ug/l	90
42) 1,2-Dichloroethane	8.246	62	94905	49.788	ug/l	93
43) Isopropyl Acetate	8.283	43	103251	49.257	ug/l	92
44) Trichloroethene	8.947	130	104553	52.305	ug/l	95
45) 1,2-Dichloropropane	9.222	63	88554	53.892	ug/l	95
46) Dibromomethane	9.313	93	45923	49.267	ug/l	97
47) Bromodichloromethane	9.502	83	125895	53.158	ug/l	97
48) Methyl methacrylate	9.301	41	46495	48.779	ug/l	88
49) 1,4-Dioxane	9.301	88	10126	901.740	ug/l #	57
51) 4-Methyl-2-Pentanone	10.075	43	257901	246.579	ug/l	91
52) Toluene	10.252	92	231966	52.408	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	120591	51.006	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	142899	51.510	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	66135	50.439	ug/l	95
56) Ethyl methacrylate	10.514	69	86300	50.681	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	110630	49.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	198760	240.715	ug/l	94
59) 2-Hexanone	10.837	43	177620	247.821	ug/l	90
60) Dibromochloromethane	10.989	129	84293	51.244	ug/l	99
61) 1,2-Dibromoethane	11.093	107	61478	49.295	ug/l	98
64) Tetrachloroethene	10.727	164	102481	48.768	ug/l	99
65) Chlorobenzene	11.520	112	245828	52.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	93720	53.909	ug/l	98
67) Ethyl Benzene	11.599	91	453463	54.014	ug/l	99
68) m/p-Xylenes	11.709	106	343880	106.003	ug/l	95
69) o-Xylene	12.038	106	165702	53.498	ug/l	96
70) Styrene	12.050	104	273052	53.029	ug/l	97
71) Bromoform	12.215	173	49936	51.777	ug/l #	98
73) Isopropylbenzene	12.337	105	447407	54.836	ug/l	100
74) N-amyl acetate	12.148	43	89458	50.456	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	68094	52.449	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	51352m	50.135	ug/l	
77) Bromobenzene	12.617	156	96659	52.320	ug/l	96
78) n-propylbenzene	12.678	91	530992	55.048	ug/l	99
79) 2-Chlorotoluene	12.764	91	288784	53.677	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	359345	54.363	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	24542	51.951	ug/l	91
82) 4-Chlorotoluene	12.861	91	297987	53.938	ug/l	100
83) tert-Butylbenzene	13.081	119	326717	55.240	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	351839	53.792	ug/l	98
85) sec-Butylbenzene	13.257	105	481141	55.426	ug/l	100
86) p-Isopropyltoluene	13.373	119	396743	55.145	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	192601	52.713	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	187229	51.846	ug/l	99
89) n-Butylbenzene	13.702	91	362863	54.890	ug/l	96
90) Hexachloroethane	13.965	117	74195	59.843	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	164011	51.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10225	44.007	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	97197	49.884	ug/l	99
94) Hexachlorobutadiene	15.117	225	55506	52.131	ug/l	97
95) Naphthalene	15.239	128	205482	54.284	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	78163	46.960	ug/l	98

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

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