

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015913.D
 Acq On : 11 Oct 2023 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 01:53:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	188676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	303843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	270880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79618	46.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.800%		
35) Dibromofluoromethane	7.716	113	84481	49.848	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.700%		
50) Toluene-d8	10.179	98	283252	50.712	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.420%		
62) 4-Bromofluorobenzene	12.483	95	109288	48.173	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.340%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	38595	51.142	ug/l	96
3) Chloromethane	2.113	50	42508	55.068	ug/l	97
4) Vinyl Chloride	2.253	62	53969	54.818	ug/l	100
5) Bromomethane	2.650	94	42283	52.377	ug/l	98
6) Chloroethane	2.790	64	41476	53.650	ug/l	98
7) Trichlorofluoromethane	3.125	101	109620	52.474	ug/l	100
8) Diethyl Ether	3.534	74	45903	51.939	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	74149	52.301	ug/l	95
10) Methyl Iodide	4.088	142	72298	50.701	ug/l	96
11) Tert butyl alcohol	4.954	59	53601	131.745	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	59153	54.244	ug/l	85
13) Acrolein	3.735	56	22176	213.719	ug/l	100
14) Allyl chloride	4.479	41	106554	52.996	ug/l	91
15) Acrylonitrile	5.161	53	145092	238.742	ug/l	97
16) Acetone	3.948	43	159022	210.361	ug/l #	87
17) Carbon Disulfide	4.198	76	84536	51.758	ug/l	99
18) Methyl Acetate	4.479	43	113868	49.475	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	244354	49.447	ug/l	99
20) Methylene Chloride	4.716	84	90844	51.835	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	68914	54.460	ug/l	94
22) Diisopropyl ether	6.118	45	276838	51.477	ug/l	91
23) Vinyl Acetate	6.058	43	736139	248.929	ug/l	95
24) 1,1-Dichloroethane	6.021	63	153840	51.931	ug/l	97
25) 2-Butanone	6.984	43	208029	223.376	ug/l	93
26) 2,2-Dichloropropane	6.984	77	137683	49.976	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	98188	52.573	ug/l	93
28) Bromochloromethane	7.338	49	89857	52.629	ug/l	92
29) Tetrahydrofuran	7.350	42	118643	232.877	ug/l	91
30) Chloroform	7.508	83	168626	51.033	ug/l	97
31) Cyclohexane	7.783	56	87962	48.378	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	140625	52.112	ug/l	97
36) 1,1-Dichloropropene	7.917	75	101375	54.010	ug/l	99
37) Ethyl Acetate	7.076	43	77162	47.867	ug/l	96
38) Carbon Tetrachloride	7.905	117	121197	53.766	ug/l	99
39) Methylcyclohexane	9.185	83	100329	52.623	ug/l	93
40) Benzene	8.161	78	319334	54.136	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	55072m	54.925	ug/l	
42) 1,2-Dichloroethane	8.240	62	103496	51.472	ug/l	92
43) Isopropyl Acetate	8.271	43	146095	48.960	ug/l	94
44) Trichloroethene	8.941	130	92650	54.280	ug/l	98
45) 1,2-Dichloropropane	9.216	63	91823	51.753	ug/l	98
46) Dibromomethane	9.307	93	54407	51.530	ug/l	97
47) Bromodichloromethane	9.502	83	135335	51.538	ug/l	99
48) Methyl methacrylate	9.295	41	66269	50.288	ug/l	87
49) 1,4-Dioxane	9.295	88	16669	908.197	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	426740	239.034	ug/l	91
52) Toluene	10.246	92	208966	53.369	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	138734	52.260	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	151692	52.604	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	85483	50.846	ug/l	97
56) Ethyl methacrylate	10.514	69	116570	51.073	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	138542	51.113	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	355954	255.868	ug/l	95
59) 2-Hexanone	10.831	43	320665	237.416	ug/l	89
60) Dibromochloromethane	10.990	129	103047	51.129	ug/l	100
61) 1,2-Dibromoethane	11.093	107	78193	50.924	ug/l	99
64) Tetrachloroethene	10.721	164	91770	51.913	ug/l	97
65) Chlorobenzene	11.520	112	245686	51.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	100780	52.185	ug/l	98
67) Ethyl Benzene	11.593	91	428344	52.843	ug/l	100
68) m/p-Xylenes	11.703	106	324366	106.196	ug/l	95
69) o-Xylene	12.032	106	161378	52.806	ug/l	97
70) Styrene	12.044	104	282927	53.062	ug/l	96
71) Bromoform	12.209	173	67824	50.433	ug/l #	99
73) Isopropylbenzene	12.331	105	440450	51.759	ug/l	100
74) N-amyl acetate	12.148	43	133458	49.765	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	107140	48.556	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	73306m	46.550	ug/l	
77) Bromobenzene	12.611	156	106320	50.954	ug/l	98
78) n-propylbenzene	12.672	91	527188	51.516	ug/l	100
79) 2-Chlorotoluene	12.758	91	301182	51.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	363998	51.899	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	35232	49.611	ug/l	92
82) 4-Chlorotoluene	12.855	91	310567	51.125	ug/l	99
83) tert-Butylbenzene	13.081	119	336383	51.391	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	363173	51.420	ug/l	99
85) sec-Butylbenzene	13.257	105	488585	50.898	ug/l	100
86) p-Isopropyltoluene	13.373	119	403956	50.870	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	211899	50.441	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	212556	50.244	ug/l	99
89) n-Butylbenzene	13.703	91	381372	50.751	ug/l	96
90) Hexachloroethane	13.965	117	80515	50.523	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	195595	50.090	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18458	47.633	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	120690	48.226	ug/l	99
94) Hexachlorobutadiene	15.117	225	62951	46.975	ug/l	98
95) Naphthalene	15.239	128	282381	48.775	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	108278	48.639	ug/l	99

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

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