

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015458.D
 Acq On : 07 Sep 2023 09:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

Quant Time: Sep 07 23:04:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	194317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	319442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	293731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	99442	47.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.710	113	92866	50.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.940%		
50) Toluene-d8	10.179	98	321882	48.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.620%		
62) 4-Bromofluorobenzene	12.483	95	124156	50.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	72778	43.086	ug/l	100
3) Chloromethane	2.107	50	105155	46.876	ug/l	100
4) Vinyl Chloride	2.247	62	123481	47.292	ug/l	97
5) Bromomethane	2.638	94	96993	52.207	ug/l	97
6) Chloroethane	2.784	64	86615	50.468	ug/l	96
7) Trichlorofluoromethane	3.113	101	171151	46.340	ug/l	98
8) Diethyl Ether	3.522	74	63739	50.498	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	92170	45.025	ug/l	98
10) Methyl Iodide	4.082	142	123002	51.167	ug/l	98
11) Tert butyl alcohol	4.948	59	96532	205.028	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	93541	48.426	ug/l	95
13) Acrolein	3.723	56	117280	204.866	ug/l	99
14) Allyl chloride	4.466	41	153313	49.850	ug/l	96
15) Acrylonitrile	5.149	53	192252	242.054	ug/l	99
16) Acetone	3.942	43	237076	272.672	ug/l	93
17) Carbon Disulfide	4.186	76	257983	44.674	ug/l	100
18) Methyl Acetate	4.466	43	153233	48.658	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	325325	51.819	ug/l	97
20) Methylene Chloride	4.704	84	121151	42.214	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	109931	49.422	ug/l	95
22) Diisopropyl ether	6.113	45	343497	51.068	ug/l	91
23) Vinyl Acetate	6.052	43	1060752	249.773	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	196659	50.577	ug/l	97
25) 2-Butanone	6.978	43	314557	255.079	ug/l	96
26) 2,2-Dichloropropane	6.972	77	183242	55.485	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	132309	52.433	ug/l	94
28) Bromochloromethane	7.326	49	52401	43.946	ug/l	93
29) Tetrahydrofuran	7.344	42	182937	236.230	ug/l	90
30) Chloroform	7.503	83	214996	52.598	ug/l	97
31) Cyclohexane	7.777	56	151447	40.929	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	189411	51.879	ug/l	99
36) 1,1-Dichloropropene	7.911	75	153744	47.589	ug/l	99
37) Ethyl Acetate	7.070	43	118916	47.726	ug/l #	95
38) Carbon Tetrachloride	7.893	117	167600	50.229	ug/l	99
39) Methylcyclohexane	9.179	83	177150	43.555	ug/l	93
40) Benzene	8.155	78	450039	49.929	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	58696m	50.234	ug/l	
42) 1,2-Dichloroethane	8.228	62	149640	49.787	ug/l	95
43) Isopropyl Acetate	8.265	43	212139	49.236	ug/l	96
44) Trichloroethene	8.935	130	131311	51.489	ug/l	96
45) 1,2-Dichloropropane	9.210	63	113529	49.964	ug/l	98
46) Dibromomethane	9.301	93	74966	49.668	ug/l	98
47) Bromodichloromethane	9.496	83	170801	52.916	ug/l	100
48) Methyl methacrylate	9.289	41	94370	47.737	ug/l	93
49) 1,4-Dioxane	9.295	88	27393	977.084	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	613162	244.846	ug/l	94
52) Toluene	10.240	92	294141	50.915	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	183264	53.425	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	194769	52.195	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	106018	52.130	ug/l	95
56) Ethyl methacrylate	10.508	69	158139	52.473	ug/l	90
57) 1,3-Dichloropropane	10.789	76	176570	50.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	232432	216.073	ug/l	93
59) 2-Hexanone	10.831	43	472286	251.338	ug/l	91
60) Dibromochloromethane	10.984	129	129958	54.596	ug/l	100
61) 1,2-Dibromoethane	11.087	107	106632	51.745	ug/l	100
64) Tetrachloroethene	10.715	164	138992	52.133	ug/l	97
65) Chlorobenzene	11.514	112	324892	51.330	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	123461	53.291	ug/l	98
67) Ethyl Benzene	11.593	91	582367	51.240	ug/l	99
68) m/p-Xylenes	11.697	106	452349	102.679	ug/l	96
69) o-Xylene	12.026	106	221072	52.508	ug/l	97
70) Styrene	12.044	104	376278	53.152	ug/l	97
71) Bromoform	12.209	173	89228	55.213	ug/l	99
73) Isopropylbenzene	12.331	105	582009	51.061	ug/l	100
74) N-amyl acetate	12.142	43	195632	51.087	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	133944	49.227	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	103149m	51.259	ug/l	
77) Bromobenzene	12.605	156	140684	52.113	ug/l	99
78) n-propylbenzene	12.672	91	698228	50.625	ug/l	99
79) 2-Chlorotoluene	12.752	91	395461	51.121	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	496311	52.058	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	47588	52.166	ug/l	97
82) 4-Chlorotoluene	12.855	91	415089	51.629	ug/l	100
83) tert-Butylbenzene	13.075	119	437280	52.366	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	489831	51.746	ug/l	99
85) sec-Butylbenzene	13.252	105	644146	51.718	ug/l	100
86) p-Isopropyltoluene	13.367	119	542302	51.951	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	277431	52.055	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	277386	51.488	ug/l	99
89) n-Butylbenzene	13.697	91	497110	50.596	ug/l	97
90) Hexachloroethane	13.959	117	101158	54.183	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	252638	51.943	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27329	50.773	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	161657	52.925	ug/l	99
94) Hexachlorobutadiene	15.111	225	85743	51.480	ug/l	98
95) Naphthalene	15.233	128	413282	54.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	145904	52.369	ug/l	99

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

