

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014638.D
 Acq On : 14 Jul 2023 11:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 14 23:04:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	286902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	486782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	430789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	214736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	178112	54.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.960%			
35) Dibromofluoromethane	7.710	113	164473	53.077	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.160%			
50) Toluene-d8	10.173	98	586565	51.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.477	95	223583	51.040	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	98827	42.280	ug/l	100
3) Chloromethane	2.107	50	128067	48.741	ug/l	97
4) Vinyl Chloride	2.247	62	143614	48.907	ug/l	96
5) Bromomethane	2.638	94	102377	52.755	ug/l	98
6) Chloroethane	2.784	64	94106	51.304	ug/l	96
7) Trichlorofluoromethane	3.113	101	226373	45.900	ug/l	99
8) Diethyl Ether	3.522	74	92123	50.203	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	136091	45.020	ug/l	95
10) Methyl Iodide	4.082	142	159280	49.719	ug/l	95
11) Tert butyl alcohol	4.942	59	159051	233.778	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	131883	46.680	ug/l	91
13) Acrolein	3.717	56	80349	235.136	ug/l	100
14) Allyl chloride	4.466	41	236010	47.048	ug/l	96
15) Acrylonitrile	5.149	53	274820	271.592	ug/l	97
16) Acetone	3.942	43	286332	276.377	ug/l	92
17) Carbon Disulfide	4.186	76	361505	44.693	ug/l	98
18) Methyl Acetate	4.466	43	213227	53.632	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	472671	51.503	ug/l	99
20) Methylene Chloride	4.704	84	170863	50.838	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	152204	47.472	ug/l	97
22) Diisopropyl ether	6.106	45	506743	49.687	ug/l	93
23) Vinyl Acetate	6.052	43	1563905	256.241	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	285290	48.888	ug/l	97
25) 2-Butanone	6.972	43	406879	268.445	ug/l	97
26) 2,2-Dichloropropane	6.972	77	262594	47.215	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	186743	50.038	ug/l	95
28) Bromochloromethane	7.326	49	129498	51.526	ug/l	95
29) Tetrahydrofuran	7.338	42	252481	270.527	ug/l	93
30) Chloroform	7.496	83	298031	49.526	ug/l	97
31) Cyclohexane	7.777	56	227041	41.834	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	259081	47.836	ug/l	98
36) 1,1-Dichloropropene	7.911	75	211680	45.679	ug/l	99
37) Ethyl Acetate	7.064	43	164342	51.509	ug/l #	94
38) Carbon Tetrachloride	7.893	117	224971	45.926	ug/l	96
39) Methylcyclohexane	9.179	83	259250	42.941	ug/l	96
40) Benzene	8.155	78	629263	47.746	ug/l	99

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41) Methacrylonitrile	7.314	41	87980m	53.611	ug/l	
42) 1,2-Dichloroethane	8.228	62	207402	49.694	ug/l	94
43) Isopropyl Acetate	8.271	43	307335	50.568	ug/l	97
44) Trichloroethene	8.935	130	174459	47.311	ug/l	99
45) 1,2-Dichloropropane	9.210	63	164429	47.779	ug/l	100
46) Dibromomethane	9.301	93	103563	49.605	ug/l	96
47) Bromodichloromethane	9.490	83	240709	48.918	ug/l	100
48) Methyl methacrylate	9.289	41	137993	50.458	ug/l	93
49) 1,4-Dioxane	9.295	88	35635	1046.766	ug/l #	59
51) 4-Methyl-2-Pentanone	10.063	43	834257	261.436	ug/l	93
52) Toluene	10.240	92	402733	47.754	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	260061	48.317	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	284286	48.569	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	145438	50.010	ug/l	97
56) Ethyl methacrylate	10.508	69	225606	50.808	ug/l	90
57) 1,3-Dichloropropane	10.789	76	249193	49.679	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	570835	275.907	ug/l	95
59) 2-Hexanone	10.831	43	620840	266.788	ug/l	93
60) Dibromochloromethane	10.984	129	177864	49.883	ug/l	99
61) 1,2-Dibromoethane	11.087	107	145952	50.307	ug/l	100
64) Tetrachloroethene	10.715	164	163200	47.104	ug/l	98
65) Chlorobenzene	11.514	112	441697	48.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	170278	49.195	ug/l	99
67) Ethyl Benzene	11.587	91	778944	46.996	ug/l	99
68) m/p-Xylenes	11.697	106	598551	94.604	ug/l	97
69) o-Xylene	12.026	106	293376	47.607	ug/l	99
70) Styrene	12.038	104	502036	48.336	ug/l	98
71) Bromoform	12.203	173	120502	51.362	ug/l #	99
73) Isopropylbenzene	12.325	105	762673	45.360	ug/l	99
74) N-amyl acetate	12.142	43	276239	49.054	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	186816	48.722	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	130694m	48.190	ug/l	
77) Bromobenzene	12.605	156	182589	47.573	ug/l	93
78) n-propylbenzene	12.666	91	922409	45.526	ug/l	99
79) 2-Chlorotoluene	12.752	91	539076	46.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	649382	46.246	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	69639	49.716	ug/l	94
82) 4-Chlorotoluene	12.849	91	557860	46.415	ug/l	99
83) tert-Butylbenzene	13.075	119	572501	45.961	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	645025	46.807	ug/l	99
85) sec-Butylbenzene	13.251	105	832982	45.587	ug/l	100
86) p-Isopropyltoluene	13.367	119	692204	46.398	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	356156	47.679	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	359804	48.068	ug/l	98
89) n-Butylbenzene	13.690	91	658200	45.347	ug/l	95
90) Hexachloroethane	13.959	117	142358	46.456	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	332081	48.523	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36625	49.947	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	213183	49.071	ug/l	98
94) Hexachlorobutadiene	15.111	225	112255	47.020	ug/l	97
95) Naphthalene	15.233	128	515311	50.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	189947	49.196	ug/l	98

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

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