

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014486.D
 Acq On : 28 Jun 2023 17:19
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/29/2023
 Supervised By :Mahesh Dadoda 06/29/2023

Quant Time: Jun 29 02:20:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	249428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	351489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	148046	47.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.620%		
35) Dibromofluoromethane	7.716	113	112194	49.332	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.660%		
50) Toluene-d8	10.179	98	436699	48.305	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.620%		
62) 4-Bromofluorobenzene	12.483	95	157851	48.909	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	98298	42.455	ug/l	95
3) Chloromethane	2.107	50	98189	43.335	ug/l	100
4) Vinyl Chloride	2.247	62	109392	44.297	ug/l	94
5) Bromomethane	2.637	94	95751	44.129	ug/l	94
6) Chloroethane	2.784	64	75302	46.035	ug/l	98
7) Trichlorofluoromethane	3.113	101	238408	48.898	ug/l	99
8) Diethyl Ether	3.521	74	69606	46.825	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	114106	49.518	ug/l	97
10) Methyl Iodide	4.082	142	129204	42.862	ug/l	96
11) Tert butyl alcohol	4.948	59	115161	294.666	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	110249	47.979	ug/l	94
13) Acrolein	3.723	56	136938	329.415	ug/l	99
14) Allyl chloride	4.472	41	167842	45.735	ug/l	91
15) Acrylonitrile	5.155	53	209111	251.569	ug/l	99
16) Acetone	3.942	43	209671	215.162	ug/l	97
17) Carbon Disulfide	4.186	76	329382	46.320	ug/l	100
18) Methyl Acetate	4.472	43	158482	47.307	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	358697	50.751	ug/l	99
20) Methylene Chloride	4.704	84	130089	45.753	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	125592	49.708	ug/l	95
22) Diisopropyl ether	6.112	45	360541	49.436	ug/l	97
23) Vinyl Acetate	6.058	43	1142684	306.876	ug/l	96
24) 1,1-Dichloroethane	6.009	63	209116	48.286	ug/l	99
25) 2-Butanone	6.978	43	289452	238.479	ug/l	97
26) 2,2-Dichloropropane	6.978	77	211181	46.117	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	142642	50.152	ug/l	95
28) Bromochloromethane	7.332	49	91395	48.390	ug/l	83
29) Tetrahydrofuran	7.344	42	189794	262.244	ug/l	91
30) Chloroform	7.502	83	247121	50.584	ug/l	96
31) Cyclohexane	7.783	56	178094	46.558	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	235040	50.544	ug/l	98
36) 1,1-Dichloropropene	7.911	75	175085	49.958	ug/l	99
37) Ethyl Acetate	7.070	43	122111	50.558	ug/l #	96
38) Carbon Tetrachloride	7.899	117	226285	51.309	ug/l	98
39) Methylcyclohexane	9.179	83	206776	51.283	ug/l	96
40) Benzene	8.155	78	501907	50.564	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	69413m	57.991	ug/l	
42) 1,2-Dichloroethane	8.234	62	192875	51.251	ug/l	100
43) Isopropyl Acetate	8.271	43	215303	50.484	ug/l	96
44) Trichloroethene	8.935	130	143182	50.242	ug/l	93
45) 1,2-Dichloropropane	9.216	63	118315	50.553	ug/l	98
46) Dibromomethane	9.301	93	83203	52.022	ug/l	95
47) Bromodichloromethane	9.496	83	192971	51.766	ug/l	99
48) Methyl methacrylate	9.289	41	103713	52.360	ug/l	94
49) 1,4-Dioxane	9.295	88	29448	1177.549	ug/l #	65
51) 4-Methyl-2-Pentanone	10.069	43	647496	269.005	ug/l	96
52) Toluene	10.240	92	333689	52.248	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	207390	51.314	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	212418	50.955	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	115904	54.119	ug/l	96
56) Ethyl methacrylate	10.508	69	166245	54.353	ug/l	96
57) 1,3-Dichloropropane	10.788	76	190013	52.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	369176	257.676	ug/l	92
59) 2-Hexanone	10.831	43	490030	270.175	ug/l	97
60) Dibromochloromethane	10.983	129	153872	54.161	ug/l	100
61) 1,2-Dibromoethane	11.087	107	115313	54.078	ug/l	98
64) Tetrachloroethene	10.721	164	155801	52.089	ug/l	97
65) Chlorobenzene	11.514	112	362208	50.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	150551	51.758	ug/l	97
67) Ethyl Benzene	11.593	91	659564	51.294	ug/l	98
68) m/p-Xylenes	11.703	106	519722	103.483	ug/l	97
69) o-Xylene	12.026	106	246761	51.636	ug/l	99
70) Styrene	12.044	104	424813	51.865	ug/l	99
71) Bromoform	12.203	173	114351	53.192	ug/l #	99
73) Isopropylbenzene	12.325	105	656104	49.367	ug/l	99
74) N-amyl acetate	12.142	43	207643	49.333	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	144054	50.718	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	113271m	45.749	ug/l	
77) Bromobenzene	12.605	156	170765	49.417	ug/l	94
78) n-propylbenzene	12.672	91	797303	49.725	ug/l	99
79) 2-Chlorotoluene	12.758	91	450271	49.171	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	573478	49.881	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	53687	49.367	ug/l	97
82) 4-Chlorotoluene	12.855	91	473739	48.563	ug/l	97
83) tert-Butylbenzene	13.075	119	495477	50.271	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	571393	50.156	ug/l	100
85) sec-Butylbenzene	13.251	105	717446	50.336	ug/l	99
86) p-Isopropyltoluene	13.367	119	615395	49.868	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	328033	49.216	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	330945	49.389	ug/l	99
89) n-Butylbenzene	13.696	91	559440	49.616	ug/l	98
90) Hexachloroethane	13.959	117	115003	48.986	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	301904	49.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31415	50.044	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	193709	49.000	ug/l	99
94) Hexachlorobutadiene	15.111	225	113923	47.975	ug/l	98
95) Naphthalene	15.233	128	423878	49.872	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	173407	48.174	ug/l	99

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

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