

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015403.D
 Acq On : 31 Aug 2023 15:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Sep 01 00:47:29 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	158115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	255039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83974	49.543	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.080%		
35) Dibromofluoromethane	7.710	113	73619	50.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.240%		
50) Toluene-d8	10.173	98	261314	49.122	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.240%		
62) 4-Bromofluorobenzene	12.477	95	99160	50.211	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	67016	48.759	ug/l	98
3) Chloromethane	2.113	50	91100	49.909	ug/l	98
4) Vinyl Chloride	2.247	62	102867	48.417	ug/l	95
5) Bromomethane	2.631	94	80478	53.235	ug/l	100
6) Chloroethane	2.784	64	69131	49.503	ug/l	94
7) Trichlorofluoromethane	3.113	101	145917	48.554	ug/l	99
8) Diethyl Ether	3.521	74	52548	51.164	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	81269	48.790	ug/l	95
10) Methyl Iodide	4.076	142	89048	45.524	ug/l	97
11) Tert butyl alcohol	4.948	59	128726	363.124	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	75799	48.225	ug/l	92
13) Acrolein	3.723	56	154958	325.393	ug/l	100
14) Allyl chloride	4.466	41	127601	50.989	ug/l	96
15) Acrylonitrile	5.149	53	182367	282.180	ug/l	99
16) Acetone	3.942	43	222530	314.542	ug/l	92
17) Carbon Disulfide	4.186	76	229534	48.848	ug/l	98
18) Methyl Acetate	4.466	43	139803	54.558	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	260317	50.958	ug/l	100
20) Methylene Chloride	4.704	84	115697	51.229	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	88500	48.897	ug/l	94
22) Diisopropyl ether	6.112	45	274046	50.071	ug/l	93
23) Vinyl Acetate	6.051	43	930775	269.348	ug/l	97
24) 1,1-Dichloroethane	6.003	63	154186	48.733	ug/l	96
25) 2-Butanone	6.978	43	304815	303.773	ug/l	98
26) 2,2-Dichloropropane	6.972	77	145674	54.209	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	101630	49.497	ug/l	97
28) Bromochloromethane	7.326	49	53173	54.804	ug/l	97
29) Tetrahydrofuran	7.338	42	182368	289.414	ug/l	94
30) Chloroform	7.496	83	212836	63.992	ug/l	97
31) Cyclohexane	7.777	56	141034	46.842	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	144931	48.785	ug/l	99
36) 1,1-Dichloropropene	7.911	75	127165	49.301	ug/l	99
37) Ethyl Acetate	7.063	43	114329	57.471	ug/l	96
38) Carbon Tetrachloride	7.893	117	132216	49.631	ug/l	99
39) Methylcyclohexane	9.179	83	159925	49.249	ug/l	94
40) Benzene	8.155	78	356772	49.577	ug/l	100

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41) Methacrylonitrile	7.307	41	57837m	61.999	ug/l	
42) 1,2-Dichloroethane	8.228	62	118345	49.317	ug/l	94
43) Isopropyl Acetate	8.264	43	187918	54.628	ug/l	98
44) Trichloroethene	8.935	130	101722	49.959	ug/l	95
45) 1,2-Dichloropropane	9.209	63	91558	50.470	ug/l	97
46) Dibromomethane	9.301	93	61747	51.240	ug/l	96
47) Bromodichloromethane	9.490	83	155584	60.373	ug/l	99
48) Methyl methacrylate	9.289	41	86700	54.932	ug/l	92
49) 1,4-Dioxane	9.289	88	26355	1177.445	ug/l #	50
51) 4-Methyl-2-Pentanone	10.063	43	576339	288.257	ug/l	94
52) Toluene	10.240	92	231296	50.146	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	143539	52.411	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	153691	51.588	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	85241	52.498	ug/l	96
56) Ethyl methacrylate	10.508	69	128783	53.523	ug/l	92
57) 1,3-Dichloropropane	10.788	76	145963	52.223	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	227818	265.264	ug/l	96
59) 2-Hexanone	10.831	43	446613	297.694	ug/l	92
60) Dibromochloromethane	10.983	129	111448	58.643	ug/l	99
61) 1,2-Dibromoethane	11.087	107	87148	52.969	ug/l	99
64) Tetrachloroethene	10.715	164	108355	49.510	ug/l	98
65) Chlorobenzene	11.514	112	250883	48.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	94009	49.432	ug/l	99
67) Ethyl Benzene	11.587	91	451437	48.386	ug/l	99
68) m/p-Xylenes	11.697	106	354649	98.067	ug/l	95
69) o-Xylene	12.026	106	167644	48.506	ug/l	99
70) Styrene	12.038	104	292590	50.349	ug/l	96
71) Bromoform	12.203	173	70834	53.395	ug/l #	98
73) Isopropylbenzene	12.325	105	449389	47.036	ug/l	100
74) N-amyl acetate	12.142	43	168957	52.637	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	113717	49.859	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	87378m	51.802	ug/l	
77) Bromobenzene	12.605	156	106789	47.192	ug/l	95
78) n-propylbenzene	12.666	91	551438	47.699	ug/l	100
79) 2-Chlorotoluene	12.758	91	304309	46.930	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	377190	47.199	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	40871	53.450	ug/l	94
82) 4-Chlorotoluene	12.855	91	317345	47.090	ug/l	99
83) tert-Butylbenzene	13.075	119	327642	46.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	380684	47.978	ug/l	99
85) sec-Butylbenzene	13.251	105	498390	47.738	ug/l	100
86) p-Isopropyltoluene	13.367	119	418061	47.779	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	211568	47.359	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	211743	46.889	ug/l	99
89) n-Butylbenzene	13.696	91	399826	48.549	ug/l	97
90) Hexachloroethane	13.959	117	76331	48.776	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	193923	47.567	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24066	53.341	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	125831	49.147	ug/l	99
94) Hexachlorobutadiene	15.111	225	66491	47.626	ug/l	98
95) Naphthalene	15.233	128	332109	52.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	115408	49.418	ug/l	99

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

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