

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015211.D
 Acq On : 21 Aug 2023 09:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 22 01:49:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/22/2023
 Supervised By :Mahesh Dadoda 08/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	176358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	276134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	252316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114662	54.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.320%			
35) Dibromofluoromethane	7.716	113	101008	56.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.720%			
50) Toluene-d8	10.179	98	364654	55.142	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.280%			
62) 4-Bromofluorobenzene	12.483	95	135642	56.157	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35156	46.164	ug/l	94
3) Chloromethane	2.113	50	50938	48.228	ug/l	99
4) Vinyl Chloride	2.247	62	61747	44.000	ug/l	97
5) Bromomethane	2.650	94	45335	45.555	ug/l	95
6) Chloroethane	2.784	64	49159	48.249	ug/l	98
7) Trichlorofluoromethane	3.119	101	111999	47.364	ug/l	99
8) Diethyl Ether	3.528	74	44590	48.082	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	67261	45.768	ug/l	98
10) Methyl Iodide	4.082	142	65635	45.483	ug/l	99
11) Tert butyl alcohol	4.979	59	79518	226.631	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	56059	45.681	ug/l	89
13) Acrolein	3.729	56	23917	158.410	ug/l	98
14) Allyl chloride	4.472	41	96028	44.136	ug/l	96
15) Acrylonitrile	5.161	53	154857	246.403	ug/l	99
16) Acetone	3.954	43	222930	322.342	ug/l	95
17) Carbon Disulfide	4.192	76	91277	42.264	ug/l	99
18) Methyl Acetate	4.479	43	122315	48.262	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	255641	48.993	ug/l	97
20) Methylene Chloride	4.710	84	78305	46.960	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	62828	45.389	ug/l	93
22) Diisopropyl ether	6.119	45	251727	46.367	ug/l #	91
23) Vinyl Acetate	6.058	43	767104	236.800	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	136594	46.473	ug/l	99
25) 2-Butanone	6.990	43	272883	278.672	ug/l	94
26) 2,2-Dichloropropane	6.978	77	131883	46.545	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	89303	47.228	ug/l	94
28) Bromochloromethane	7.332	49	70182	51.972	ug/l	89
29) Tetrahydrofuran	7.350	42	141322	241.361	ug/l	90
30) Chloroform	7.502	83	154055	46.755	ug/l	96
31) Cyclohexane	7.783	56	87753	46.213	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	132932	47.411	ug/l	98
36) 1,1-Dichloropropene	7.917	75	93818	47.736	ug/l	99
37) Ethyl Acetate	7.076	43	92673	50.588	ug/l #	96
38) Carbon Tetrachloride	7.899	117	113386	48.748	ug/l	98
39) Methylcyclohexane	9.185	83	104349	47.362	ug/l	91
40) Benzene	8.161	78	286395	48.199	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	39917	42.257	ug/l	87
42) 1,2-Dichloroethane	8.234	62	108047	50.069	ug/l	96
43) Isopropyl Acetate	8.271	43	169881	50.923	ug/l	98
44) Trichloroethene	8.935	130	85229	49.788	ug/l	97
45) 1,2-Dichloropropane	9.216	63	81040	48.367	ug/l	99
46) Dibromomethane	9.307	93	54104	51.198	ug/l	97
47) Bromodichloromethane	9.496	83	128774	51.066	ug/l	97
48) Methyl methacrylate	9.289	41	73966	51.830	ug/l	94
49) 1,4-Dioxane	9.307	88	22577	1068.396	ug/l #	58
51) 4-Methyl-2-Pentanone	10.069	43	520485	269.201	ug/l	94
52) Toluene	10.246	92	193713	49.462	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	133844	50.504	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	140927	50.492	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	82964	51.632	ug/l	98
56) Ethyl methacrylate	10.508	69	122538	52.109	ug/l	91
57) 1,3-Dichloropropane	10.788	76	134423	51.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	284806	260.247	ug/l	92
59) 2-Hexanone	10.831	43	415838	290.602	ug/l	93
60) Dibromochloromethane	10.984	129	100490	52.428	ug/l	98
61) 1,2-Dibromoethane	11.087	107	78454	51.397	ug/l	100
64) Tetrachloroethene	10.721	164	92366	52.544	ug/l	97
65) Chlorobenzene	11.514	112	226243	49.213	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	96086	51.511	ug/l	100
67) Ethyl Benzene	11.593	91	393117	48.805	ug/l	98
68) m/p-Xylenes	11.703	106	298667	97.628	ug/l	97
69) o-Xylene	12.026	106	150502	49.385	ug/l	97
70) Styrene	12.044	104	264658	50.176	ug/l	97
71) Bromoform	12.209	173	71697	53.022	ug/l #	98
73) Isopropylbenzene	12.331	105	408690	48.375	ug/l	100
74) N-amyl acetate	12.142	43	155206	50.883	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	113170	51.433	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	89667m	56.175	ug/l	
77) Bromobenzene	12.611	156	101728	49.399	ug/l	96
78) n-propylbenzene	12.672	91	485591	48.403	ug/l	99
79) 2-Chlorotoluene	12.758	91	281222	48.592	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	344551	48.926	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	38207	52.575	ug/l	98
82) 4-Chlorotoluene	12.855	91	296239	49.545	ug/l	100
83) tert-Butylbenzene	13.075	119	314224	48.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	346925	49.300	ug/l	99
85) sec-Butylbenzene	13.251	105	461584	48.907	ug/l	100
86) p-Isopropyltoluene	13.367	119	385735	49.295	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	202423	49.558	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	202938	49.536	ug/l	99
89) n-Butylbenzene	13.696	91	361817	49.041	ug/l	97
90) Hexachloroethane	13.959	117	74770	48.166	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	190360	49.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22916	53.763	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	123455	50.397	ug/l	99
94) Hexachlorobutadiene	15.111	225	65213	48.940	ug/l	98
95) Naphthalene	15.233	128	315228	51.657	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	112496	50.850	ug/l	99

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

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