

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013281.D
 Acq On : 12 Apr 2023 20:52
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 06:21:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	230311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	366653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	334398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	150867	54.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.020%	
35) Dibromofluoromethane	7.716	113	130317	54.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.800%	
50) Toluene-d8	10.173	98	478942	54.208	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	12.477	95	161583	56.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	103802	50.077	ug/l	100
3) Chloromethane	2.107	50	129097	49.712	ug/l	99
4) Vinyl Chloride	2.247	62	123468	50.147	ug/l	98
5) Bromomethane	2.650	94	96449	51.084	ug/l	89
6) Chloroethane	2.790	64	82901	49.927	ug/l	99
7) Trichlorofluoromethane	3.119	101	182453	47.612	ug/l	99
8) Diethyl Ether	3.521	74	72541	52.102	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	109896	48.802	ug/l	97
10) Methyl Iodide	4.082	142	140976	51.037	ug/l	95
11) Tert butyl alcohol	4.972	59	63382	178.908	ug/l	100
12) 1,1-Dichloroethene	3.863	96	107893	49.784	ug/l	96
13) Acrolein	3.723	56	80718	237.400	ug/l	97
14) Allyl chloride	4.472	41	217531	52.545	ug/l	96
15) Acrylonitrile	5.155	53	218441	273.033	ug/l	98
16) Acetone	3.948	43	183722	193.056	ug/l	95
17) Carbon Disulfide	4.186	76	359182	50.341	ug/l	100
18) Methyl Acetate	4.472	43	172434	56.024	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	358771	55.264	ug/l	99
20) Methylene Chloride	4.710	84	140721	56.544	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	127616	51.584	ug/l	93
22) Diisopropyl ether	6.112	45	454029	55.649	ug/l	94
23) Vinyl Acetate	6.051	43	1448544	280.850	ug/l	96
24) 1,1-Dichloroethane	6.009	63	238631	52.360	ug/l	97
25) 2-Butanone	6.984	43	304495	249.895	ug/l	94
26) 2,2-Dichloropropane	6.972	77	192895	47.176	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	142851	53.103	ug/l	97
28) Bromochloromethane	7.326	49	103736	57.112	ug/l	93
29) Tetrahydrofuran	7.344	42	212463	287.090	ug/l	98
30) Chloroform	7.496	83	243170	52.725	ug/l	97
31) Cyclohexane	7.783	56	205220	49.036	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	210905	50.549	ug/l	98
36) 1,1-Dichloropropene	7.911	75	177463	49.350	ug/l	100
37) Ethyl Acetate	7.070	43	154883	53.433	ug/l #	93
38) Carbon Tetrachloride	7.893	117	193416	48.643	ug/l	96
39) Methylcyclohexane	9.179	83	209700	50.163	ug/l	97
40) Benzene	8.155	78	531627	51.080	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	57475m	47.793	ug/l	
42) 1,2-Dichloroethane	8.234	62	182040	51.588	ug/l	96
43) Isopropyl Acetate	8.264	43	261878	54.392	ug/l	96
44) Trichloroethene	8.935	130	134391	50.126	ug/l	94
45) 1,2-Dichloropropane	9.209	63	139288	51.563	ug/l	98
46) Dibromomethane	9.301	93	84131	51.747	ug/l	99
47) Bromodichloromethane	9.490	83	193790	52.140	ug/l	97
48) Methyl methacrylate	9.289	41	120649	54.554	ug/l	97
49) 1,4-Dioxane	9.307	88	24305	1103.390	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	727937	277.810	ug/l	97
52) Toluene	10.240	92	322006	51.237	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	203928	52.393	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	220480	51.660	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	113259	52.834	ug/l	99
56) Ethyl methacrylate	10.508	69	167195	56.963	ug/l	95
57) 1,3-Dichloropropane	10.788	76	193464	53.063	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	335100	273.424	ug/l	97
59) 2-Hexanone	10.831	43	521481	273.709	ug/l	96
60) Dibromochloromethane	10.977	129	138647	51.582	ug/l	99
61) 1,2-Dibromoethane	11.087	107	111231	53.286	ug/l	100
64) Tetrachloroethene	10.715	164	124099	52.603	ug/l	95
65) Chlorobenzene	11.514	112	346744	49.568	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	134252	51.141	ug/l	99
67) Ethyl Benzene	11.587	91	614686	50.453	ug/l	99
68) m/p-Xylenes	11.697	106	474644	101.821	ug/l	98
69) o-Xylene	12.026	106	227237	52.634	ug/l	100
70) Styrene	12.038	104	385279	52.838	ug/l	97
71) Bromoform	12.203	173	96988	53.330	ug/l #	96
73) Isopropylbenzene	12.325	105	584100	50.592	ug/l	100
74) N-amyl acetate	12.142	43	225326	54.704	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	145663	51.072	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	102606m	48.922	ug/l	
77) Bromobenzene	12.605	156	146387	50.703	ug/l	98
78) n-propylbenzene	12.666	91	723192	50.718	ug/l	100
79) 2-Chlorotoluene	12.751	91	411196	51.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	494636	51.148	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	52039	51.497	ug/l	95
82) 4-Chlorotoluene	12.849	91	422559	49.938	ug/l	99
83) tert-Butylbenzene	13.075	119	432115	52.074	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	490177	52.081	ug/l	99
85) sec-Butylbenzene	13.251	105	622051	50.128	ug/l	99
86) p-Isopropyltoluene	13.367	119	519509	51.019	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	277685	49.895	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	276984	49.249	ug/l	98
89) n-Butylbenzene	13.690	91	482942	49.587	ug/l	99
90) Hexachloroethane	13.959	117	104339	49.143	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	255542	50.459	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27912	53.891	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	156201	51.895	ug/l	99
94) Hexachlorobutadiene	15.111	225	87116	48.878	ug/l	98
95) Naphthalene	15.233	128	373995	50.630	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	144157	52.570	ug/l	99

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

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