

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012021.D
 Acq On : 29 Dec 2022 11:56
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 30 03:50:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	195623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135436	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	98390	49.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.840%
35) Dibromofluoromethane	7.716	113	91329	51.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.060%
50) Toluene-d8	10.179	98	357882	49.767	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.483	95	126423	52.272	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.540%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	77729	49.827	ug/l	97
3) Chloromethane	2.119	50	72085	41.403	ug/l	98
4) Vinyl Chloride	2.253	62	84887	44.211	ug/l	96
5) Bromomethane	2.656	94	60902	44.584	ug/l	100
6) Chloroethane	2.796	64	57013	45.428	ug/l	100
7) Trichlorofluoromethane	3.131	101	169466	50.419	ug/l	97
8) Diethyl Ether	3.533	74	49288	47.526	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	90837	49.094	ug/l	97
10) Methyl Iodide	4.094	142	127883	49.955	ug/l	95
11) Tert butyl alcohol	4.948	59	37469	184.736	ug/l	97
12) 1,1-Dichloroethene	3.875	96	88885	48.025	ug/l	99
13) Acrolein	3.735	56	32979	179.006	ug/l	100
14) Allyl chloride	4.485	41	124242	45.584	ug/l	93
15) Acrylonitrile	5.167	53	117793	244.169	ug/l	100
16) Acetone	3.948	43	129306	220.344	ug/l	99
17) Carbon Disulfide	4.198	76	236459	40.051	ug/l	99
18) Methyl Acetate	4.472	43	60113	44.141	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	249139	52.463	ug/l	97
20) Methylene Chloride	4.716	84	102908	44.747	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	100313	47.700	ug/l	95
22) Diisopropyl ether	6.118	45	262017	48.811	ug/l	95
23) Vinyl Acetate	6.064	43	760509	246.246	ug/l	96
24) 1,1-Dichloroethane	6.021	63	167558	48.021	ug/l	99
25) 2-Butanone	6.984	43	151565	230.865	ug/l	95
26) 2,2-Dichloropropane	6.984	77	172964	50.658	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	113310	49.817	ug/l	96
28) Bromochloromethane	7.332	49	39634	41.393	ug/l	87
29) Tetrahydrofuran	7.350	42	85593	230.112	ug/l	92
30) Chloroform	7.508	83	191732	50.980	ug/l	99
31) Cyclohexane	7.789	56	138907	41.867	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	184843	51.673	ug/l	98
36) 1,1-Dichloropropene	7.917	75	136918	48.159	ug/l	98
37) Ethyl Acetate	7.076	43	60624	47.528	ug/l #	95
38) Carbon Tetrachloride	7.905	117	172417	52.510	ug/l	95
39) Methylcyclohexane	9.185	83	163436	47.775	ug/l	97
40) Benzene	8.161	78	397539	48.860	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	31558m	51.163	ug/l	
42) 1,2-Dichloroethane	8.240	62	121913	52.050	ug/l	99
43) Isopropyl Acetate	8.270	43	114486	49.144	ug/l	96
44) Trichloroethene	8.941	130	113822	49.632	ug/l	100
45) 1,2-Dichloropropane	9.215	63	90656	48.224	ug/l	100
46) Dibromomethane	9.307	93	55145	50.926	ug/l	99
47) Bromodichloromethane	9.496	83	142807	51.983	ug/l	98
48) Methyl methacrylate	9.295	41	52227	48.420	ug/l	93
49) 1,4-Dioxane	9.295	88	14072	1088.451	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	302402	243.443	ug/l	98
52) Toluene	10.246	92	263495	50.831	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	145130	52.282	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	158267	50.723	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	78287	50.947	ug/l	95
56) Ethyl methacrylate	10.508	69	101621	52.233	ug/l	97
57) 1,3-Dichloropropane	10.788	76	131478	51.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	165897	220.979	ug/l	94
59) 2-Hexanone	10.831	43	223636	244.719	ug/l	96
60) Dibromochloromethane	10.983	129	104794	54.136	ug/l	99
61) 1,2-Dibromoethane	11.093	107	73538	51.152	ug/l	99
64) Tetrachloroethene	10.721	164	120176	51.183	ug/l	98
65) Chlorobenzene	11.520	112	281717	50.580	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	109147	52.670	ug/l	98
67) Ethyl Benzene	11.593	91	517565	51.408	ug/l	100
68) m/p-Xylenes	11.703	106	402615	102.828	ug/l	100
69) o-Xylene	12.032	106	192067	52.721	ug/l	99
70) Styrene	12.044	104	325728	53.250	ug/l	99
71) Bromoform	12.209	173	66536	54.186	ug/l #	100
73) Isopropylbenzene	12.331	105	523694	52.108	ug/l	99
74) N-amyl acetate	12.142	43	101057	49.047	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	81534	48.630	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	70707m	41.956	ug/l	
77) Bromobenzene	12.611	156	120714	51.917	ug/l	95
78) n-propylbenzene	12.672	91	620387	51.354	ug/l	99
79) 2-Chlorotoluene	12.757	91	344840	50.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	456272	53.026	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	30999	50.372	ug/l	98
82) 4-Chlorotoluene	12.855	91	356568	50.749	ug/l	98
83) tert-Butylbenzene	13.074	119	400103	54.866	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	446412	52.736	ug/l	99
85) sec-Butylbenzene	13.257	105	567700	52.133	ug/l	98
86) p-Isopropyltoluene	13.373	119	492535	53.605	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	241225	51.587	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	236879	50.957	ug/l	99
89) n-Butylbenzene	13.696	91	437935	52.650	ug/l	99
90) Hexachloroethane	13.965	117	89140	50.845	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	212794	52.199	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15076	52.323	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	133504	55.672	ug/l	99
94) Hexachlorobutadiene	15.111	225	83166	53.672	ug/l	99
95) Naphthalene	15.239	128	253827	50.839	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	113893	56.175	ug/l	99

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

