

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011106.D
 Acq On : 26 Oct 2022 11:00
 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: Oct 27 04:37:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	236667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	343403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174860	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93004	42.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.320%
35) Dibromofluoromethane	7.709	113	97959	46.125	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.240%
50) Toluene-d8	10.179	98	324916	40.991	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.980%
62) 4-Bromofluorobenzene	12.477	95	126970	44.907	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	68771	43.808	ug/l	97
3) Chloromethane	2.113	50	94975	42.170	ug/l	98
4) Vinyl Chloride	2.247	62	111114	43.528	ug/l	98
5) Bromomethane	2.643	94	75499	42.762	ug/l	98
6) Chloroethane	2.790	64	77307	45.319	ug/l	96
7) Trichlorofluoromethane	3.119	101	180007	48.178	ug/l	92
8) Diethyl Ether	3.527	74	68207	48.919	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	115994	49.494	ug/l	94
10) Methyl Iodide	4.088	142	136246	47.510	ug/l	91
11) Tert butyl alcohol	4.948	59	66945	274.943	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	106269	47.334	ug/l	84
13) Acrolein	3.722	56	81759	232.634	ug/l	99
14) Allyl chloride	4.472	41	172053	48.326	ug/l #	86
15) Acrylonitrile	5.155	53	199912	275.065	ug/l	97
16) Acetone	3.942	43	171090	270.250	ug/l #	86
17) Carbon Disulfide	4.192	76	253016	38.442	ug/l	100
18) Methyl Acetate	4.472	43	93954	52.920	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	335289	53.452	ug/l	97
20) Methylene Chloride	4.710	84	135602	49.028	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	120287	47.459	ug/l	90
22) Diisopropyl ether	6.112	45	403585	52.930	ug/l #	92
23) Vinyl Acetate	6.051	43	1253328	274.876	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	234254	50.884	ug/l	99
25) 2-Butanone	6.978	43	256194	266.846	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	206647	50.548	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	147915	50.638	ug/l	88
28) Bromochloromethane	7.325	49	87648	53.465	ug/l	88
29) Tetrahydrofuran	7.344	42	159950	270.786	ug/l #	85
30) Chloroform	7.502	83	244148	52.610	ug/l	100
31) Cyclohexane	7.783	56	178728	42.843	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	209565	51.374	ug/l	96
36) 1,1-Dichloropropene	7.911	75	171040	48.399	ug/l	98
37) Ethyl Acetate	7.069	43	107115	54.747	ug/l #	93
38) Carbon Tetrachloride	7.898	117	186957	51.249	ug/l	98
39) Methylcyclohexane	9.179	83	197501	46.660	ug/l	93
40) Benzene	8.155	78	517431	49.901	ug/l	96

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41) Methacrylonitrile	7.301	41	53491m	50.450	ug/l	
42) 1,2-Dichloroethane	8.234	62	148864	51.813	ug/l	91
43) Isopropyl Acetate	8.270	43	188334	53.875	ug/l #	90
44) Trichloroethene	8.935	130	138243	49.198	ug/l	97
45) 1,2-Dichloropropane	9.215	63	138953	52.816	ug/l	96
46) Dibromomethane	9.301	93	77022	52.490	ug/l	96
47) Bromodichloromethane	9.496	83	192480	54.433	ug/l	98
48) Methyl methacrylate	9.288	41	85122	54.409	ug/l #	79
49) 1,4-Dioxane	9.295	88	24263	1150.847	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	556130	285.260	ug/l #	87
52) Toluene	10.240	92	328958	51.067	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	196637	53.529	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	222863	53.016	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	116926	55.236	ug/l	97
56) Ethyl methacrylate	10.508	69	159171	56.614	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	194856	53.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	352545	253.202	ug/l	97
59) 2-Hexanone	10.831	43	389537	290.878	ug/l	84
60) Dibromochloromethane	10.983	129	139108	55.264	ug/l	100
61) 1,2-Dibromoethane	11.087	107	107941	53.247	ug/l	100
64) Tetrachloroethene	10.715	164	132139	49.431	ug/l	98
65) Chlorobenzene	11.514	112	361131	51.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	140862	53.980	ug/l	97
67) Ethyl Benzene	11.587	91	644144	51.644	ug/l	99
68) m/p-Xylenes	11.697	106	494342	103.030	ug/l	95
69) o-Xylene	12.026	106	236844	51.985	ug/l	95
70) Styrene	12.044	104	415114	53.773	ug/l	95
71) Bromoform	12.203	173	90605	56.259	ug/l #	98
73) Isopropylbenzene	12.325	105	640933	50.452	ug/l	100
74) N-amyl acetate	12.142	43	170928	53.030	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	142102	53.298	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	100472m	50.610	ug/l	
77) Bromobenzene	12.605	156	149222	50.251	ug/l	99
78) n-propylbenzene	12.666	91	786459	50.882	ug/l	100
79) 2-Chlorotoluene	12.751	91	444406	51.054	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	540216	50.965	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	49618	53.754	ug/l #	84
82) 4-Chlorotoluene	12.849	91	454479	50.145	ug/l	100
83) tert-Butylbenzene	13.074	119	480121	52.381	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	537848	51.458	ug/l	100
85) sec-Butylbenzene	13.251	105	712739	51.747	ug/l	100
86) p-Isopropyltoluene	13.367	119	589638	51.604	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	300456	50.698	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	296387	50.298	ug/l	99
89) n-Butylbenzene	13.690	91	555530	52.029	ug/l	99
90) Hexachloroethane	13.958	117	116122	51.496	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	273636	51.606	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23527	53.371	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	166380	52.503	ug/l	99
94) Hexachlorobutadiene	15.111	225	97914	52.492	ug/l	99
95) Naphthalene	15.233	128	362021	56.095	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	146285	52.913	ug/l	97

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

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