

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110822\
 Data File : VY011351.D
 Acq On : 08 Nov 2022 10:13
 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: Nov 08 13:04:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	239721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178982	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115340	44.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.980%
35) Dibromofluoromethane	7.716	113	121307	51.221	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.440%
50) Toluene-d8	10.179	98	455582	49.545	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.477	95	168035	52.639	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	84254	43.898	ug/l	99
3) Chloromethane	2.113	50	110661	41.631	ug/l	96
4) Vinyl Chloride	2.253	62	129109	43.481	ug/l	100
5) Bromomethane	2.650	94	92891	46.892	ug/l	100
6) Chloroethane	2.790	64	87161	45.681	ug/l	98
7) Trichlorofluoromethane	3.125	101	204343	46.582	ug/l	94
8) Diethyl Ether	3.528	74	74864	47.561	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.899	101	127132	48.204	ug/l	94
10) Methyl Iodide	4.088	142	171856	50.621	ug/l	91
11) Tert butyl alcohol	4.948	59	67737	258.038	ug/l	99
12) 1,1-Dichloroethene	3.869	96	124056	47.575	ug/l	80
13) Acrolein	3.729	56	27010	192.956	ug/l	95
14) Allyl chloride	4.479	41	183499	46.457	ug/l #	83
15) Acrylonitrile	5.161	53	188102	238.153	ug/l	97
16) Acetone	3.942	43	160598	207.512	ug/l #	79
17) Carbon Disulfide	4.192	76	387630	45.260	ug/l	99
18) Methyl Acetate	4.473	43	88063	42.980	ug/l #	84
19) Methyl tert-butyl Ether	5.216	73	343054	49.508	ug/l	96
20) Methylene Chloride	4.710	84	159272	50.358	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	147091	49.595	ug/l	86
22) Diisopropyl ether	6.112	45	397257	48.510	ug/l #	90
23) Vinyl Acetate	6.058	43	1216558	243.390	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	247624	48.284	ug/l	98
25) 2-Butanone	6.978	43	234660	215.494	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	219198	46.743	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	166120	50.833	ug/l	85
28) Bromochloromethane	7.332	49	97415	49.450	ug/l #	76
29) Tetrahydrofuran	7.344	42	148707	234.576	ug/l #	81
30) Chloroform	7.502	83	258359	49.880	ug/l	98
31) Cyclohexane	7.783	56	211258	44.457	ug/l	88
32) 1,1,1-Trichloroethane	7.698	97	227988	49.626	ug/l	94
36) 1,1-Dichloropropene	7.917	75	196090	50.701	ug/l	96
37) Ethyl Acetate	7.070	43	98550	47.268	ug/l #	90
38) Carbon Tetrachloride	7.899	117	209787	52.284	ug/l	98
39) Methylcyclohexane	9.179	83	241877	51.406	ug/l	89
40) Benzene	8.155	78	589268	51.841	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	56064m	49.489	ug/l	
42) 1,2-Dichloroethane	8.234	62	157159	50.915	ug/l	90
43) Isopropyl Acetate	8.271	43	177579	48.343	ug/l #	85
44) Trichloroethene	8.935	130	161339	53.037	ug/l	100
45) 1,2-Dichloropropane	9.216	63	143646	51.116	ug/l	97
46) Dibromomethane	9.301	93	83433	52.547	ug/l	98
47) Bromodichloromethane	9.496	83	199747	53.069	ug/l	100
48) Methyl methacrylate	9.289	41	84127	49.861	ug/l #	75
49) 1,4-Dioxane	9.295	88	23283	1090.006	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	501046	250.863	ug/l #	85
52) Toluene	10.240	92	380166	53.938	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	206812	52.173	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	235897	52.009	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	120065	52.761	ug/l	99
56) Ethyl methacrylate	10.508	69	161192	53.625	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	203741	52.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	380621	270.101	ug/l	93
59) 2-Hexanone	10.831	43	353811	248.129	ug/l	81
60) Dibromochloromethane	10.984	129	147262	54.466	ug/l	99
61) 1,2-Dibromoethane	11.087	107	115305	53.371	ug/l	100
64) Tetrachloroethene	10.721	164	163270	56.395	ug/l	98
65) Chlorobenzene	11.514	112	403328	53.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	150668	54.419	ug/l	98
67) Ethyl Benzene	11.593	91	719017	53.906	ug/l	97
68) m/p-Xylenes	11.703	106	567139	109.535	ug/l	94
69) o-Xylene	12.026	106	267891	55.195	ug/l	93
70) Styrene	12.044	104	458179	55.687	ug/l	95
71) Bromoform	12.209	173	95728	55.629	ug/l #	99
73) Isopropylbenzene	12.331	105	698458	52.194	ug/l	100
74) N-amyl acetate	12.142	43	163217	48.589	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	136965	49.461	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	101821m	46.729	ug/l	
77) Bromobenzene	12.605	156	167366	53.171	ug/l	94
78) n-propylbenzene	12.672	91	848703	51.830	ug/l	98
79) 2-Chlorotoluene	12.752	91	478834	51.036	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	593918	52.449	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	49285	48.407	ug/l #	83
82) 4-Chlorotoluene	12.855	91	494787	51.175	ug/l	98
83) tert-Butylbenzene	13.075	119	513228	52.600	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	594015	53.039	ug/l	98
85) sec-Butylbenzene	13.251	105	754981	52.188	ug/l	99
86) p-Isopropyltoluene	13.367	119	645105	53.500	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	331232	52.479	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	328508	51.895	ug/l	99
89) n-Butylbenzene	13.696	91	585608	52.009	ug/l	98
90) Hexachloroethane	13.959	117	122237	50.690	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	299662	53.152	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23012	48.511	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	186583	54.756	ug/l	99
94) Hexachlorobutadiene	15.111	225	104834	52.837	ug/l	97
95) Naphthalene	15.233	128	385025	48.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	163548	54.614	ug/l	98

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

