

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102522\
 Data File : VY011104.D
 Acq On : 25 Oct 2022 19:05
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 26 09:02:04 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	224553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	359587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	332672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86822	41.974	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.940%
35) Dibromofluoromethane	7.710	113	91024	45.205	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.400%
50) Toluene-d8	10.179	98	305717	40.718	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.440%
62) 4-Bromofluorobenzene	12.477	95	118774	44.309	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63762	42.808	ug/l	98
3) Chloromethane	2.107	50	86043	40.265	ug/l	94
4) Vinyl Chloride	2.247	62	102181	42.188	ug/l	98
5) Bromomethane	2.644	94	69382	41.417	ug/l	98
6) Chloroethane	2.784	64	72278	44.656	ug/l	99
7) Trichlorofluoromethane	3.119	101	167316	47.197	ug/l	94
8) Diethyl Ether	3.521	74	64466	48.730	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	109114	49.070	ug/l	92
10) Methyl Iodide	4.082	142	122573	45.048	ug/l	91
11) Tert butyl alcohol	4.948	59	64449	279.320	ug/l	96
12) 1,1-Dichloroethene	3.863	96	96575	45.337	ug/l	84
13) Acrolein	3.723	56	61743	185.158	ug/l	97
14) Allyl chloride	4.473	41	157782	46.708	ug/l #	86
15) Acrylonitrile	5.155	53	190024	275.565	ug/l	97
16) Acetone	3.942	43	137490	228.892	ug/l #	85
17) Carbon Disulfide	4.186	76	237355	38.008	ug/l	99
18) Methyl Acetate	4.473	43	91051	54.115	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	312189	52.454	ug/l	99
20) Methylene Chloride	4.710	84	135749	52.127	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	112660	46.848	ug/l	89
22) Diisopropyl ether	6.112	45	385955	53.348	ug/l	92
23) Vinyl Acetate	6.051	43	1180761	272.931	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	221223	50.646	ug/l	98
25) 2-Butanone	6.978	43	232238	254.944	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	183758	47.374	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	140220	50.593	ug/l	88
28) Bromochloromethane	7.326	49	82906	53.312	ug/l	88
29) Tetrahydrofuran	7.344	42	153674	274.196	ug/l #	86
30) Chloroform	7.502	83	232518	52.807	ug/l	99
31) Cyclohexane	7.777	56	167362	42.282	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	196518	50.774	ug/l	96
36) 1,1-Dichloropropene	7.911	75	160144	47.841	ug/l	98
37) Ethyl Acetate	7.070	43	104497	56.385	ug/l	95
38) Carbon Tetrachloride	7.899	117	174580	50.523	ug/l	98
39) Methylcyclohexane	9.179	83	182683	45.564	ug/l	92
40) Benzene	8.155	78	487510	49.636	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	60302m	60.043	ug/l	
42) 1,2-Dichloroethane	8.234	62	142485	52.356	ug/l	90
43) Isopropyl Acetate	8.271	43	179439	54.191	ug/l #	89
44) Trichloroethene	8.935	130	130788	49.138	ug/l	97
45) 1,2-Dichloropropane	9.209	63	132820	53.298	ug/l	95
46) Dibromomethane	9.301	93	74671	53.724	ug/l	96
47) Bromodichloromethane	9.490	83	183284	54.721	ug/l	97
48) Methyl methacrylate	9.289	41	80916	54.602	ug/l #	79
49) 1,4-Dioxane	9.295	88	22790	1141.214	ug/l #	87
51) 4-Methyl-2-Pentanone	10.063	43	532581	288.403	ug/l #	87
52) Toluene	10.240	92	313647	51.403	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	184174	52.930	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	210483	52.861	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	111251	55.483	ug/l	98
56) Ethyl methacrylate	10.508	69	150120	56.370	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	185855	53.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	350978	265.257	ug/l	97
59) 2-Hexanone	10.825	43	368822	290.756	ug/l	85
60) Dibromochloromethane	10.977	129	133016	55.789	ug/l	99
61) 1,2-Dibromoethane	11.087	107	103218	53.755	ug/l	100
64) Tetrachloroethene	10.715	164	128417	49.588	ug/l	96
65) Chlorobenzene	11.514	112	343695	50.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	134034	53.020	ug/l	98
67) Ethyl Benzene	11.587	91	609275	50.424	ug/l	99
68) m/p-Xylenes	11.697	106	469599	101.030	ug/l	95
69) o-Xylene	12.026	106	225762	51.151	ug/l	95
70) Styrene	12.038	104	395728	52.915	ug/l	96
71) Bromoform	12.203	173	85447	54.768	ug/l #	100
73) Isopropylbenzene	12.325	105	608044	48.756	ug/l	99
74) N-amyl acetate	12.142	43	161526	51.048	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.575	83	134940	51.557	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	110178m	56.535	ug/l	
77) Bromobenzene	12.605	156	142735	48.963	ug/l	100
78) n-propylbenzene	12.666	91	737404	48.599	ug/l	99
79) 2-Chlorotoluene	12.752	91	422111	49.398	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	511832	49.188	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	46900	51.758	ug/l #	85
82) 4-Chlorotoluene	12.849	91	431556	48.505	ug/l	99
83) tert-Butylbenzene	13.069	119	443544	49.293	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	512925	49.989	ug/l	98
85) sec-Butylbenzene	13.251	105	671375	49.654	ug/l	100
86) p-Isopropyltoluene	13.367	119	557018	49.659	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	287314	49.385	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	283772	49.056	ug/l	99
89) n-Butylbenzene	13.690	91	527553	50.331	ug/l	100
90) Hexachloroethane	13.953	117	111625	50.425	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	262190	50.370	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	22439	51.853	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	158863	51.066	ug/l	99
94) Hexachlorobutadiene	15.105	225	93350	50.979	ug/l	97
95) Naphthalene	15.233	128	348360	54.985	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	144090	53.092	ug/l	99

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

