

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010546.D
 Acq On : 19 Sep 2022 11:07
 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: Sep 20 01:03:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	213967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	318892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	196331	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110048	53.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.540%	
35) Dibromofluoromethane	7.710	113	116418	56.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.340%	
50) Toluene-d8	10.179	98	404036	52.577	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.160%	
62) 4-Bromofluorobenzene	12.477	95	157048	55.546	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.100%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.900	85	66090	70.039	ug/l	97
3) Chloromethane	2.107	50	98546	69.309	ug/l	98
4) Vinyl Chloride	2.247	62	128989	69.073	ug/l	97
5) Bromomethane	2.637	94	91788	73.862	ug/l	100
6) Chloroethane	2.784	64	93218	61.846	ug/l	100
7) Trichlorofluoromethane	3.119	101	178705	63.563	ug/l	94
8) Diethyl Ether	3.521	74	61271	63.561	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.887	101	110111	65.075	ug/l	96
10) Methyl Iodide	4.082	142	124886	63.890	ug/l	91
11) Tert butyl alcohol	4.942	59	58556	323.005	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	97098	64.265	ug/l	84
13) Acrolein	3.723	56	50862	534.251	ug/l	98
14) Allyl chloride	4.472	41	145941	64.069	ug/l #	93
15) Acrylonitrile	5.149	53	165759	331.302	ug/l	98
16) Acetone	3.942	43	158615	380.059	ug/l #	88
17) Carbon Disulfide	4.186	76	200389	70.081	ug/l	99
18) Methyl Acetate	4.466	43	76489	65.422	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	312822	66.409	ug/l	96
20) Methylene Chloride	4.710	84	141121	67.691	ug/l #	84
21) trans-1,2-Dichloroethene	5.210	96	108046	63.547	ug/l	87
22) Diisopropyl ether	6.112	45	353698	65.780	ug/l #	92
23) Vinyl Acetate	6.051	43	1102602	347.120	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	210107	65.106	ug/l	98
25) 2-Butanone	6.978	43	224051	343.221	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	203624	65.615	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	138470	65.371	ug/l	87
28) Bromochloromethane	7.326	49	64199	43.179	ug/l #	80
29) Tetrahydrofuran	7.338	42	133063	331.876	ug/l #	82
30) Chloroform	7.502	83	229979	65.870	ug/l	100
31) Cyclohexane	7.777	56	155361	68.942	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	206720	66.526	ug/l	96
36) 1,1-Dichloropropene	7.911	75	155879	67.502	ug/l	97
37) Ethyl Acetate	7.070	43	92053	69.015	ug/l #	92
38) Carbon Tetrachloride	7.893	117	182453	68.715	ug/l	99
39) Methylcyclohexane	9.179	83	179464	66.399	ug/l	89
40) Benzene	8.155	78	464191	67.428	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	125584	184.596	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	143351	67.623	ug/l	92
43) Isopropyl Acetate	8.271	43	170550	69.757	ug/l #	91
44) Trichloroethene	8.935	130	132098	67.031	ug/l	99
45) 1,2-Dichloropropane	9.209	63	120353	67.580	ug/l	94
46) Dibromomethane	9.301	93	71214	68.093	ug/l	98
47) Bromodichloromethane	9.490	83	177016	68.549	ug/l	99
48) Methyl methacrylate	9.289	41	75594	70.041	ug/l #	83
49) 1,4-Dioxane	9.295	88	21478	1396.588	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	484426	350.941	ug/l	89
52) Toluene	10.240	92	308080	68.396	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	179803	68.861	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	199529	68.540	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	105511	68.589	ug/l	98
56) Ethyl methacrylate	10.508	69	141457	70.982	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	174382	68.435	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	203968	186.462	ug/l	92
59) 2-Hexanone	10.831	43	344504	368.213	ug/l	86
60) Dibromochloromethane	10.983	129	130513	69.328	ug/l	99
61) 1,2-Dibromoethane	11.087	107	99162	68.855	ug/l	99
64) Tetrachloroethene	10.715	164	131451	61.708	ug/l	98
65) Chlorobenzene	11.514	112	342187	62.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	136747	63.654	ug/l	99
67) Ethyl Benzene	11.593	91	608721	62.864	ug/l	97
68) m/p-Xylenes	11.697	106	470784	125.504	ug/l	94
69) o-Xylene	12.026	106	233467	63.837	ug/l	93
70) Styrene	12.044	104	396834	63.874	ug/l	96
71) Bromoform	12.203	173	85080	63.779	ug/l #	99
73) Isopropylbenzene	12.325	105	625834	51.578	ug/l	100
74) N-amyl acetate	12.142	43	155037	52.691	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	125099	50.596	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	165520	88.332	ug/l #	100
77) Bromobenzene	12.605	156	145720	50.475	ug/l	94
78) n-propylbenzene	12.672	91	744951	51.544	ug/l	98
79) 2-Chlorotoluene	12.758	91	417602	50.710	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	532891	51.978	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	43836	52.014	ug/l	88
82) 4-Chlorotoluene	12.855	91	432827	50.899	ug/l	98
83) tert-Butylbenzene	13.075	119	473118	51.600	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	529753	52.012	ug/l	99
85) sec-Butylbenzene	13.251	105	697273	51.925	ug/l	99
86) p-Isopropyltoluene	13.367	119	585334	52.161	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	297822	50.825	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	293583	50.621	ug/l	99
89) n-Butylbenzene	13.696	91	544713	52.877	ug/l	99
90) Hexachloroethane	13.959	117	112750	52.331	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	265600	50.882	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21189	51.356	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	170148	53.434	ug/l	99
94) Hexachlorobutadiene	15.111	225	101793	52.596	ug/l	99
95) Naphthalene	15.233	128	351930	54.851	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	147755	53.291	ug/l	98

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

