

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032822\
 Data File : VY008076.D
 Acq On : 28 Mar 2022 19:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 29 02:29:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						03/29/2022
1) Pentafluorobenzene	7.795	168	161325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124030	50.000	ug/l	0.00
System Monitoring Compounds						03/29/2022
33) 1,2-Dichloroethane-d4	8.142	65	82264	50.825	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.660%
35) Dibromofluoromethane	7.722	113	89684	50.831	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.660%
50) Toluene-d8	10.179	98	335764	50.512	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.483	95	116598	49.718	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.440%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	69526	47.808	ug/l	97
3) Chloromethane	2.113	50	84109	47.495	ug/l	97
4) Vinyl Chloride	2.253	62	110677	46.972	ug/l	98
5) Bromomethane	2.656	94	88349	45.752	ug/l	98
6) Chloroethane	2.796	64	74529	48.085	ug/l	99
7) Trichlorofluoromethane	3.131	101	136424	45.770	ug/l	94
8) Diethyl Ether	3.534	74	46619	48.298	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.905	101	86401	46.731	ug/l	91
10) Methyl Iodide	4.094	142	102817	47.691	ug/l	91
11) Tert butyl alcohol	4.954	59	38876	231.498	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	82114	47.974	ug/l	82
13) Acrolein	3.735	56	25689	187.941	ug/l	95
14) Allyl chloride	4.485	41	111245	49.398	ug/l #	90
15) Acrylonitrile	5.167	53	112148	243.923	ug/l	98
16) Acetone	3.948	43	78057	210.988	ug/l #	80
17) Carbon Disulfide	4.198	76	234507	48.352	ug/l	100
18) Methyl Acetate	4.479	43	46131	47.040	ug/l #	78
19) Methyl tert-butyl Ether	5.222	73	242612	49.876	ug/l	96
20) Methylene Chloride	4.716	84	97722	52.117	ug/l #	78
21) trans-1,2-Dichloroethene	5.222	96	98197	49.547	ug/l	84
22) Diisopropyl ether	6.125	45	248916	51.375	ug/l #	88
23) Vinyl Acetate	6.064	43	808941	269.455	ug/l #	85
24) 1,1-Dichloroethane	6.027	63	161503	50.350	ug/l	98
25) 2-Butanone	6.984	43	133652	237.394	ug/l #	79
26) 2,2-Dichloropropane	6.984	77	152744	50.283	ug/l	93
27) cis-1,2-Dichloroethene	6.990	96	117806	51.281	ug/l	81
28) Bromochloromethane	7.338	49	43833	52.145	ug/l #	69
29) Tetrahydrofuran	7.350	42	88307	241.262	ug/l #	73
30) Chloroform	7.508	83	178915	51.514	ug/l	98
31) Cyclohexane	7.789	56	133959	44.277	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	162949	50.777	ug/l	94
36) 1,1-Dichloropropene	7.917	75	134263	48.445	ug/l	96
37) Ethyl Acetate	7.076	43	61704	47.659	ug/l #	89
38) Carbon Tetrachloride	7.899	117	145628	48.217	ug/l	97
39) Methylcyclohexane	9.185	83	170248	45.510	ug/l #	84
40) Benzene	8.161	78	390526	49.261	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28684m	44.123	ug/l	
42) 1,2-Dichloroethane	8.240	62	106860	48.051	ug/l	
43) Isopropyl Acetate	8.277	43	120291	47.329	ug/l #	
44) Trichloroethene	8.941	130	112010	48.860	ug/l	
45) 1,2-Dichloropropane	9.215	63	93320	49.947	ug/l	
46) Dibromomethane	9.307	93	59702	48.597	ug/l	
47) Bromodichloromethane	9.496	83	140018	49.843	ug/l	
48) Methyl methacrylate	9.295	41	51839	46.050	ug/l #	
49) 1,4-Dioxane	9.295	88	15597	955.032	ug/l #	
51) 4-Methyl-2-Pentanone	10.069	43	306803	239.338	ug/l #	
52) Toluene	10.246	92	260198	50.047	ug/l	
53) t-1,3-Dichloropropene	10.465	75	143417	49.805	ug/l	
54) cis-1,3-Dichloropropene	9.929	75	160721	49.305	ug/l #	
55) 1,1,2-Trichloroethane	10.648	97	85411	50.350	ug/l	
56) Ethyl methacrylate	10.514	69	111056	50.189	ug/l #	
57) 1,3-Dichloropropane	10.794	76	138051	49.724	ug/l	
58) 2-Chloroethyl Vinyl ether	9.782	63	202823	221.226	ug/l #	
59) 2-Hexanone	10.831	43	209978	234.090	ug/l	
60) Dibromochloromethane	10.983	129	104936	50.863	ug/l	
61) 1,2-Dibromoethane	11.093	107	83570	49.465	ug/l	
64) Tetrachloroethene	10.721	164	89964	46.087	ug/l	
65) Chlorobenzene	11.520	112	284215	49.595	ug/l	
66) 1,1,1,2-Tetrachloroethane	11.593	131	108080	51.129	ug/l	
67) Ethyl Benzene	11.593	91	498365	49.617	ug/l	
68) m/p-Xylenes	11.703	106	397002	99.401	ug/l	
69) o-Xylene	12.032	106	190391	49.788	ug/l	
70) Styrene	12.044	104	322114	51.455	ug/l	
71) Bromoform	12.209	173	64400	50.458	ug/l #	
73) Isopropylbenzene	12.331	105	495164	48.367	ug/l	
74) N-amyl acetate	12.142	43	105097	46.700	ug/l #	
75) 1,1,2,2-Tetrachloroethane	12.587	83	97238	48.866	ug/l	
76) 1,2,3-Trichloropropane	12.636	75	86218m	57.025	ug/l	
77) Bromobenzene	12.611	156	116575	49.635	ug/l	
78) n-propylbenzene	12.672	91	581176	48.128	ug/l	
79) 2-Chlorotoluene	12.758	91	327287	48.858	ug/l	
80) 1,3,5-Trimethylbenzene	12.812	105	407907	48.636	ug/l	
81) trans-1,4-Dichloro-2-b...	12.380	75	33185	48.971	ug/l #	
82) 4-Chlorotoluene	12.855	91	332053	48.310	ug/l	
83) tert-Butylbenzene	13.075	119	377360	50.503	ug/l	
84) 1,2,4-Trimethylbenzene	13.123	105	397120	48.623	ug/l	
85) sec-Butylbenzene	13.257	105	525525	47.649	ug/l	
86) p-Isopropyltoluene	13.373	119	443077	48.272	ug/l	
87) 1,3-Dichlorobenzene	13.367	146	230288	49.456	ug/l	
88) 1,4-Dichlorobenzene	13.446	146	228685	49.246	ug/l	
89) n-Butylbenzene	13.696	91	385714	45.674	ug/l	
90) Hexachloroethane	13.965	117	84705	47.628	ug/l	
91) 1,2-Dichlorobenzene	13.739	146	204951	49.993	ug/l	
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13982	44.024	ug/l	
93) 1,2,4-Trichlorobenzene	15.007	180	110290	44.918	ug/l	
94) Hexachlorobutadiene	15.117	225	53580	41.249	ug/l	
95) Naphthalene	15.239	128	245423	45.219	ug/l	
96) 1,2,3-Trichlorobenzene	15.428	180	94828	44.635	ug/l	

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

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