

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030822\
 Data File : VY007772.D
 Acq On : 08 Mar 2022 11:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 09 00:24:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	269504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	440005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	397490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	204870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	129598	45.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.860%
35) Dibromofluoromethane	7.716	113	131336	46.687	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.380%
50) Toluene-d8	10.179	98	454876	43.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.860%
62) 4-Bromofluorobenzene	12.483	95	150006	44.940	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.880%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	77298	43.262	ug/l	98
3) Chloromethane	2.113	50	123789	43.960	ug/l	98
4) Vinyl Chloride	2.253	62	163429	40.422	ug/l	99
5) Bromomethane	2.656	94	165920	50.776	ug/l	94
6) Chloroethane	2.796	64	128478	41.436	ug/l	98
7) Trichlorofluoromethane	3.131	101	202636	43.866	ug/l	91
8) Diethyl Ether	3.527	74	71675	48.220	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.905	101	127548	45.232	ug/l	98
10) Methyl Iodide	4.094	142	146735	42.769	ug/l	94
11) Tert butyl alcohol	4.960	59	57319	234.646	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	113823	45.481	ug/l	86
13) Acrolein	3.729	56	43095	200.316	ug/l	99
14) Allyl chloride	4.478	41	167942	44.614	ug/l #	87
15) Acrylonitrile	5.167	53	191159	243.637	ug/l	98
16) Acetone	3.948	43	136352	237.562	ug/l #	88
17) Carbon Disulfide	4.198	76	276511	45.353	ug/l	98
18) Methyl Acetate	4.478	43	90643	54.478	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	395819	50.959	ug/l	94
20) Methylene Chloride	4.716	84	156894	57.593	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	140965	48.272	ug/l	84
22) Diisopropyl ether	6.118	45	437783	48.682	ug/l #	94
23) Vinyl Acetate	6.064	43	1384916	243.529	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	258944	47.657	ug/l	99
25) 2-Butanone	6.984	43	243737	253.144	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	195177	40.364	ug/l	92
27) cis-1,2-Dichloroethene	6.990	96	172349	50.333	ug/l	85
28) Bromochloromethane	7.338	49	107551	46.544	ug/l #	78
29) Tetrahydrofuran	7.350	42	157888	239.657	ug/l #	83
30) Chloroform	7.508	83	290713	51.644	ug/l	97
31) Cyclohexane	7.789	56	192324	43.748	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	254082	50.717	ug/l	97
36) 1,1-Dichloropropene	7.923	75	197827	44.704	ug/l	97
37) Ethyl Acetate	7.069	43	105265	43.068	ug/l #	93
38) Carbon Tetrachloride	7.905	117	226436	47.969	ug/l	96
39) Methylcyclohexane	9.185	83	227061	41.750	ug/l #	85
40) Benzene	8.161	78	582727	47.316	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	54433m	46.604	ug/l	93
42) 1,2-Dichloroethane	8.240	62	187224	48.719	ug/l	92
43) Isopropyl Acetate	8.270	43	217087	48.027	ug/l #	92
44) Trichloroethene	8.941	130	166057	48.549	ug/l	95
45) 1,2-Dichloropropane	9.215	63	150592	47.284	ug/l	94
46) Dibromomethane	9.307	93	96798	50.633	ug/l	98
47) Bromodichloromethane	9.496	83	235393	52.497	ug/l	97
48) Methyl methacrylate	9.295	41	92832	47.381	ug/l #	79
49) 1,4-Dioxane	9.295	88	20023	867.551	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	590030	243.962	ug/l	91
52) Toluene	10.246	92	389512	48.914	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	215050	46.713	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	238518	46.894	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	134409	51.680	ug/l	97
56) Ethyl methacrylate	10.508	69	169308	49.033	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	217953	49.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	453967	241.075	ug/l	93
59) 2-Hexanone	10.831	43	403082	247.487	ug/l	89
60) Dibromochloromethane	10.983	129	171142	55.263	ug/l	99
61) 1,2-Dibromoethane	11.087	107	127975	51.624	ug/l	99
64) Tetrachloroethene	10.721	164	140758	47.773	ug/l	98
65) Chlorobenzene	11.514	112	431783	49.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	173126	53.460	ug/l	98
67) Ethyl Benzene	11.593	91	759406	48.626	ug/l	97
68) m/p-Xylenes	11.703	106	588445	98.202	ug/l	92
69) o-Xylene	12.032	106	288044	50.727	ug/l	91
70) Styrene	12.044	104	493250	51.878	ug/l	95
71) Bromoform	12.209	173	110139	54.621	ug/l #	100
73) Isopropylbenzene	12.331	105	759435	47.582	ug/l	99
74) N-amyl acetate	12.142	43	189862	44.688	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	164294	49.080	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	116999m	51.138	ug/l	
77) Bromobenzene	12.611	156	186872	50.832	ug/l	89
78) n-propylbenzene	12.672	91	891367	46.283	ug/l	99
79) 2-Chlorotoluene	12.757	91	493747	47.909	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	617207	48.363	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	46539	41.585	ug/l	90
82) 4-Chlorotoluene	12.855	91	508239	47.945	ug/l	95
83) tert-Butylbenzene	13.074	119	569882	48.546	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	609456	48.482	ug/l	96
85) sec-Butylbenzene	13.251	105	828938	47.736	ug/l	99
86) p-Isopropyltoluene	13.367	119	685163	47.772	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	367154	50.188	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	357797	49.555	ug/l	98
89) n-Butylbenzene	13.696	91	605972	44.704	ug/l	99
90) Hexachloroethane	13.958	117	138027	50.770	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	330742	50.916	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23547	46.449	ug/l	67
93) 1,2,4-Trichlorobenzene	15.007	180	197229	47.959	ug/l	99
94) Hexachlorobutadiene	15.111	225	113090	46.512	ug/l	99
95) Naphthalene	15.239	128	412824	49.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	180029	49.119	ug/l	99

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

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