

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051222\
 Data File : VY008737.D
 Acq On : 12 May 2022 16:43
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 13 01:39:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 01:36:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	213709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	365476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	342526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100441	47.610	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.220%		
35) Dibromofluoromethane	7.710	113	101559	45.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.780%		
50) Toluene-d8	10.179	98	383861	45.622	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.240%		
62) 4-Bromofluorobenzene	12.483	95	136229	45.912	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	75277	41.118	ug/l	100
3) Chloromethane	2.113	50	153187	62.760	ug/l	100
4) Vinyl Chloride	2.247	62	212048	64.826	ug/l	100
5) Bromomethane	2.643	94	186518	67.756	ug/l	100
6) Chloroethane	2.790	64	145512	66.826	ug/l	100
7) Trichlorofluoromethane	3.125	101	173637	45.138	ug/l	100
8) Diethyl Ether	3.527	74	53334	43.378	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	103981	43.966	ug/l	100
10) Methyl Iodide	4.082	142	108307	45.470	ug/l	100
11) Tert butyl alcohol	4.948	59	56264	256.313	ug/l	100
12) 1,1-Dichloroethene	3.869	96	93962	42.983	ug/l	100
13) Acrolein	3.729	56	24782	147.282	ug/l	100
14) Allyl chloride	4.478	41	132992	46.013	ug/l	100
15) Acrylonitrile	5.161	53	129555	221.407	ug/l	100
16) Acetone	3.942	43	105838	226.232	ug/l	100
17) Carbon Disulfide	4.186	76	260153	42.399	ug/l	100
18) Methyl Acetate	4.478	43	59003	36.650	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	277668	44.599	ug/l	100
20) Methylene Chloride	4.704	84	119879	42.335	ug/l	100
21) trans-1,2-Dichloroethene	5.210	96	113113	44.482	ug/l	100
22) Diisopropyl ether	6.118	45	317199	50.245	ug/l	100
23) Vinyl Acetate	6.051	43	1029121	264.946	ug/l	100
24) 1,1-Dichloroethane	6.009	63	198886	47.829	ug/l	100
25) 2-Butanone	6.978	43	170449	236.805	ug/l	100
26) 2,2-Dichloropropane	6.978	77	192675	48.811	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	134987	45.577	ug/l	100
28) Bromochloromethane	7.332	49	76422	53.341	ug/l	100
29) Tetrahydrofuran	7.344	42	109850	234.600	ug/l	100
30) Chloroform	7.502	83	214402	47.636	ug/l	100
31) Cyclohexane	7.783	56	174665	44.602	ug/l	100
32) 1,1,1-Trichloroethane	7.697	97	194318	46.948	ug/l	100
36) 1,1-Dichloropropene	7.911	75	165909	47.214	ug/l	100
37) Ethyl Acetate	7.069	43	75812	46.693	ug/l	100
38) Carbon Tetrachloride	7.899	117	177100	46.424	ug/l	100
39) Methylcyclohexane	9.179	83	212857	45.151	ug/l	100
40) Benzene	8.155	78	480392	47.638	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	42935m	50.665	ug/l	
42) 1,2-Dichloroethane	8.234	62	133869	47.399	ug/l	100
43) Isopropyl Acetate	8.270	43	153276	47.655	ug/l	100
44) Trichloroethene	8.935	130	130926	45.260	ug/l	100
45) 1,2-Dichloropropane	9.215	63	117464	49.209	ug/l	100
46) Dibromomethane	9.301	93	72586	46.774	ug/l	100
47) Bromodichloromethane	9.496	83	171013	47.923	ug/l	100
48) Methyl methacrylate	9.289	41	65189	46.137	ug/l	100
49) 1,4-Dioxane	9.301	88	17300	860.980	ug/l	100
51) 4-Methyl-2-Pentanone	10.069	43	405451	249.184	ug/l	100
52) Toluene	10.240	92	330160	49.813	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	177944	48.698	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	196195	47.547	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	100638	47.081	ug/l	100
56) Ethyl methacrylate	10.508	69	131626	47.537	ug/l	100
57) 1,3-Dichloropropane	10.788	76	166350	47.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	339487	277.531	ug/l	100
59) 2-Hexanone	10.831	43	279692	247.245	ug/l	100
60) Dibromochloromethane	10.983	129	122145	47.026	ug/l	100
61) 1,2-Dibromoethane	11.087	107	93876	44.619	ug/l	100
64) Tetrachloroethene	10.715	164	118691	46.021	ug/l	100
65) Chlorobenzene	11.514	112	350871	46.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	132849	47.844	ug/l	100
67) Ethyl Benzene	11.593	91	657483	49.413	ug/l	100
68) m/p-Xylenes	11.703	106	533831	100.802	ug/l	100
69) o-Xylene	12.026	106	247889	49.154	ug/l	100
70) Styrene	12.044	104	432686	52.024	ug/l	100
71) Bromoform	12.209	173	76788	46.443	ug/l #	100
73) Isopropylbenzene	12.331	105	672229	45.119	ug/l	100
74) N-amyl acetate	12.142	43	149433	45.534	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	123252	43.068	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	88430m	40.545	ug/l	
77) Bromobenzene	12.611	156	143600	42.561	ug/l	100
78) n-propylbenzene	12.672	91	813880	46.052	ug/l	100
79) 2-Chlorotoluene	12.757	91	435519	44.706	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	564708	46.107	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	43869	44.859	ug/l	100
82) 4-Chlorotoluene	12.855	91	472374	46.868	ug/l	100
83) tert-Butylbenzene	13.074	119	495291	45.626	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	567946	47.362	ug/l	100
85) sec-Butylbenzene	13.251	105	774018	47.741	ug/l	100
86) p-Isopropyltoluene	13.367	119	649521	48.213	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	320367	47.141	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	310236	45.914	ug/l	100
89) n-Butylbenzene	13.696	91	600090	48.183	ug/l	100
90) Hexachloroethane	13.958	117	115117	44.678	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	271260	45.675	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17549	38.913	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	141297	40.240	ug/l	100
94) Hexachlorobutadiene	15.111	225	75691	40.390	ug/l	100
95) Naphthalene	15.239	128	288917	37.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	121653	40.066	ug/l	100

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

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