

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051122\
 Data File : VY008722.D
 Acq On : 11 May 2022 21:07
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2022
 Supervised By : Mahesh Dadoda 05/12/2022

Quant Time: May 12 06:33:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	182558	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	291154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83988	53.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.716	113	94025	52.404	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.800%			
50) Toluene-d8	10.179	98	325276	51.445	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.477	95	116709	51.307	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	26818	28.107	ug/l	96
3) Chloromethane	2.113	50	49847	42.435	ug/l	99
4) Vinyl Chloride	2.259	62	84256	56.496	ug/l	96
5) Bromomethane	2.656	94	63100	52.647	ug/l	100
6) Chloroethane	2.802	64	54780	53.534	ug/l	98
7) Trichlorofluoromethane	3.125	101	73522	40.743	ug/l	92
8) Diethyl Ether	3.527	74	54865	48.060	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	84681	45.859	ug/l	95
10) Methyl Iodide	4.088	142	143619	46.865	ug/l #	88
11) Tert butyl alcohol	4.942	59	39924	297.556	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	86900	45.474	ug/l #	74
13) Acrolein	3.722	56	36243	234.630	ug/l	98
14) Allyl chloride	4.472	41	111207	44.984	ug/l #	87
15) Acrylonitrile	5.155	53	138145	270.040	ug/l	96
16) Acetone	3.942	43	94595	256.322	ug/l #	84
17) Carbon Disulfide	4.192	76	221051	43.615	ug/l	100
18) Methyl Acetate	4.472	43	59302	54.269	ug/l #	84
19) Methyl tert-butyl Ether	5.216	73	175951	49.946	ug/l	92
20) Methylene Chloride	4.710	84	111479	49.741	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	100742	46.904	ug/l #	80
22) Diisopropyl ether	6.112	45	276101	51.593	ug/l #	91
23) Vinyl Acetate	6.057	43	934387	276.422	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	168309	48.983	ug/l	97
25) 2-Butanone	6.978	43	166165	273.907	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	105923	46.112	ug/l	89
27) cis-1,2-Dichloroethene	6.984	96	120562	49.652	ug/l	77
28) Bromochloromethane	7.332	49	66141	54.280	ug/l #	67
29) Tetrahydrofuran	7.338	42	112157	276.632	ug/l #	78
30) Chloroform	7.502	83	181571	49.966	ug/l	99
31) Cyclohexane	7.783	56	135352	43.742	ug/l #	85
32) 1,1,1-Trichloroethane	7.697	97	144968	48.679	ug/l	94
36) 1,1-Dichloropropene	7.917	75	131976	45.781	ug/l	95
37) Ethyl Acetate	7.069	43	76938	53.676	ug/l #	92
38) Carbon Tetrachloride	7.899	117	141167	48.416	ug/l	96
39) Methylcyclohexane	9.179	83	167588	44.950	ug/l #	85
40) Benzene	8.155	78	405548	48.420	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	42875m	54.171	ug/l	
42) 1,2-Dichloroethane	8.234	62	109967	50.649	ug/l	87
43) Isopropyl Acetate	8.270	43	139557	53.596	ug/l #	87
44) Trichloroethene	8.935	130	115094	47.086	ug/l	99
45) 1,2-Dichloropropane	9.215	63	101024	49.437	ug/l	94
46) Dibromomethane	9.301	93	64902	50.745	ug/l	96
47) Bromodichloromethane	9.496	83	144545	50.612	ug/l	98
48) Methyl methacrylate	9.289	41	60592	53.455	ug/l #	75
49) 1,4-Dioxane	9.295	88	17600	1137.947	ug/l #	70
51) 4-Methyl-2-Pentanone	10.069	43	384007	281.972	ug/l #	85
52) Toluene	10.240	92	262246	48.095	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	152712	49.760	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	169681	48.449	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	93279	51.141	ug/l	98
56) Ethyl methacrylate	10.508	69	121895	52.812	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	151059	50.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	314521	275.210	ug/l	90
59) 2-Hexanone	10.831	43	266328	285.532	ug/l	82
60) Dibromochloromethane	10.983	129	113637	51.307	ug/l	100
61) 1,2-Dibromoethane	11.087	107	92088	51.234	ug/l	100
64) Tetrachloroethene	10.715	164	97401	45.043	ug/l	97
65) Chlorobenzene	11.514	112	297449	47.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	112590	48.851	ug/l	97
67) Ethyl Benzene	11.593	91	500601	46.938	ug/l	97
68) m/p-Xylenes	11.703	106	406269	95.208	ug/l	88
69) o-Xylene	12.026	106	194783	48.116	ug/l	89
70) Styrene	12.044	104	333722	49.649	ug/l	92
71) Bromoform	12.209	173	76680	51.622	ug/l #	100
73) Isopropylbenzene	12.331	105	504910	46.995	ug/l	99
74) N-amyl acetate	12.142	43	124746	51.711	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	112555	50.051	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	77157m	48.671	ug/l	
77) Bromobenzene	12.605	156	130400	48.509	ug/l	88
78) n-propylbenzene	12.672	91	600193	46.985	ug/l	97
79) 2-Chlorotoluene	12.757	91	333452	47.185	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	412186	47.367	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	38819	48.718	ug/l #	79
82) 4-Chlorotoluene	12.855	91	344684	47.035	ug/l	95
83) tert-Butylbenzene	13.074	119	378630	48.502	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	414726	48.260	ug/l	96
85) sec-Butylbenzene	13.251	105	547298	47.434	ug/l	98
86) p-Isopropyltoluene	13.367	119	459221	47.897	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	246517	47.408	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	240825	46.709	ug/l	98
89) n-Butylbenzene	13.696	91	411888	46.942	ug/l	98
90) Hexachloroethane	13.958	117	88897	47.755	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	222805	48.307	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16710	50.205	ug/l	67
93) 1,2,4-Trichlorobenzene	15.007	180	133947	45.461	ug/l	100
94) Hexachlorobutadiene	15.111	225	75132	46.534	ug/l	99
95) Naphthalene	15.233	128	285958	47.439	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	118430	45.610	ug/l	99

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

