

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008937.D
 Acq On : 21 May 2022 09:57
 Operator : KP/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 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 21 21:26:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	131310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	54334	40.205	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.420%		
35) Dibromofluoromethane	7.716	113	60548	42.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.820%		
50) Toluene-d8	10.179	98	204607	38.845	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.700%		
62) 4-Bromofluorobenzene	12.483	95	106349	50.052	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	60778	50.607	ug/l	100
3) Chloromethane	2.113	50	99265	57.693	ug/l	95
4) Vinyl Chloride	2.253	62	135993	53.350	ug/l	96
5) Bromomethane	2.650	94	117968	47.212	ug/l	95
6) Chloroethane	2.796	64	96001	53.160	ug/l	100
7) Trichlorofluoromethane	3.125	101	111186	51.362	ug/l	97
8) Diethyl Ether	3.534	74	36000	53.185	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.899	101	67098	50.433	ug/l	96
10) Methyl Iodide	4.088	142	76410	55.619	ug/l	93
11) Tert butyl alcohol	4.948	59	29702	216.679	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	65686	53.184	ug/l	82
13) Acrolein	3.729	56	4477	99.224	ug/l	97
14) Allyl chloride	4.478	41	101567	54.568	ug/l #	87
15) Acrylonitrile	5.155	53	94196	248.542	ug/l	99
16) Acetone	3.942	43	65929	234.366	ug/l	94
17) Carbon Disulfide	4.192	76	219114	54.304	ug/l	98
18) Methyl Acetate	4.478	43	57294	65.405	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	193624	52.231	ug/l	97
20) Methylene Chloride	4.716	84	90358	58.938	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	85932	54.207	ug/l	87
22) Diisopropyl ether	6.118	45	245267	54.849	ug/l #	93
23) Vinyl Acetate	6.057	43	735149	248.535	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	150934	56.433	ug/l	99
25) 2-Butanone	6.984	43	122436	243.680	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	115321	46.807	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	99279	55.556	ug/l	87
28) Bromochloromethane	7.332	49	47843	52.116	ug/l #	86
29) Tetrahydrofuran	7.350	42	85172	249.551	ug/l #	87
30) Chloroform	7.508	83	161198	55.834	ug/l	99
31) Cyclohexane	7.789	56	131791	49.849	ug/l	89
32) 1,1,1-Trichloroethane	7.703	97	142734	54.493	ug/l	98
36) 1,1-Dichloropropene	7.917	75	124196	51.114	ug/l	98
37) Ethyl Acetate	7.076	43	55979	44.414	ug/l	97
38) Carbon Tetrachloride	7.899	117	127868	50.306	ug/l	98
39) Methylcyclohexane	9.185	83	158080	50.403	ug/l	87
40) Benzene	8.161	78	373693	53.335	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	31072m	47.773	ug/l	
42) 1,2-Dichloroethane	8.234	62	106834	51.926	ug/l	92
43) Isopropyl Acetate	8.270	43	112595	48.044	ug/l #	90
44) Trichloroethene	8.935	130	98025	52.838	ug/l	99
45) 1,2-Dichloropropane	9.215	63	90253	53.646	ug/l	93
46) Dibromomethane	9.307	93	56655	52.961	ug/l	94
47) Bromodichloromethane	9.496	83	129996	53.172	ug/l	100
48) Methyl methacrylate	9.295	41	51728	49.430	ug/l #	83
49) 1,4-Dioxane	9.295	88	13618	952.291	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	318956	245.913	ug/l	90
52) Toluene	10.246	92	270780	55.301	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	134496	51.804	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	144184	51.660	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	79568	53.164	ug/l	99
56) Ethyl methacrylate	10.508	69	102799	53.724	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	129375	52.992	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	201937	243.939	ug/l	97
59) 2-Hexanone	10.831	43	216502	243.798	ug/l	89
60) Dibromochloromethane	10.983	129	96583	53.236	ug/l	99
61) 1,2-Dibromoethane	11.087	107	76695	51.714	ug/l	97
64) Tetrachloroethene	10.721	164	87703	51.748	ug/l	97
65) Chlorobenzene	11.514	112	286282	53.567	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	106255	54.297	ug/l	97
67) Ethyl Benzene	11.593	91	530643	55.095	ug/l	98
68) m/p-Xylenes	11.703	106	447028	114.333	ug/l	91
69) o-Xylene	12.032	106	209711	57.759	ug/l	89
70) Styrene	12.044	104	368106	58.954	ug/l	94
71) Bromoform	12.209	173	67633	52.135	ug/l #	99
73) Isopropylbenzene	12.331	105	566386	50.998	ug/l	100
74) N-amyl acetate	12.142	43	115423	45.045	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	102683	44.883	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	78477m	49.202	ug/l	
77) Bromobenzene	12.611	156	124242	48.259	ug/l	93
78) n-propylbenzene	12.672	91	695535	54.206	ug/l	99
79) 2-Chlorotoluene	12.757	91	385558	52.093	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	494913	53.166	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	32454	41.763	ug/l	87
82) 4-Chlorotoluene	12.855	91	422373	53.355	ug/l	96
83) tert-Butylbenzene	13.074	119	426137	51.599	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	501491	54.269	ug/l	96
85) sec-Butylbenzene	13.251	105	632869	50.086	ug/l	98
86) p-Isopropyltoluene	13.373	119	571692	54.255	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	288393	52.514	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	286189	51.870	ug/l	99
89) n-Butylbenzene	13.696	91	502266	52.103	ug/l	100
90) Hexachloroethane	13.965	117	101198	51.249	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	251710	51.923	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14938	42.057	ug/l	79
93) 1,2,4-Trichlorobenzene	15.013	180	121480	45.660	ug/l	99
94) Hexachlorobutadiene	15.111	225	66463	45.834	ug/l	99
95) Naphthalene	15.239	128	243317	45.525	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	105840	45.779	ug/l	99

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

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