

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008966.D
 Acq On : 21 May 2022 22:45
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 22 02:45:52 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

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	108546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	186508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	192422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51711	46.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.580%		
35) Dibromofluoromethane	7.710	113	53093	45.778	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.560%		
50) Toluene-d8	10.179	98	179049	41.847	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	83.700%		
62) 4-Bromofluorobenzene	12.477	95	94664	54.848	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	109.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	49730	50.092	ug/l	99
3) Chloromethane	2.107	50	91938	64.641	ug/l	98
4) Vinyl Chloride	2.247	62	130181	61.780	ug/l	97
5) Bromomethane	2.638	94	112713	54.568	ug/l	99
6) Chloroethane	2.784	64	92794	62.161	ug/l	97
7) Trichlorofluoromethane	3.119	101	94401	52.754	ug/l	96
8) Diethyl Ether	3.528	74	31129	55.633	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	56266	51.160	ug/l	95
10) Methyl Iodide	4.082	142	60140	52.956	ug/l	93
11) Tert butyl alcohol	4.948	59	28365	250.322	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	51823	50.759	ug/l	90
13) Acrolein	3.729	56	5602	150.195	ug/l	98
14) Allyl chloride	4.473	41	79830	51.884	ug/l #	89
15) Acrylonitrile	5.149	53	87429	279.066	ug/l	97
16) Acetone	3.942	43	63101	271.355	ug/l	95
17) Carbon Disulfide	4.186	76	175722	52.683	ug/l	98
18) Methyl Acetate	4.466	43	51886	71.653	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	163378	53.315	ug/l	96
20) Methylene Chloride	4.710	84	65084	50.118	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	67944	51.849	ug/l	87
22) Diisopropyl ether	6.112	45	207069	56.018	ug/l	97
23) Vinyl Acetate	6.052	43	662561	270.971	ug/l	95
24) 1,1-Dichloroethane	6.009	63	117431	53.114	ug/l	98
25) 2-Butanone	6.978	43	117693	283.364	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	91915	45.131	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	77223	52.276	ug/l	88
28) Bromochloromethane	7.326	49	42441	55.927	ug/l	91
29) Tetrahydrofuran	7.338	42	82611	292.809	ug/l #	86
30) Chloroform	7.502	83	128431	53.814	ug/l	98
31) Cyclohexane	7.783	56	107824	49.336	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	113810	52.563	ug/l	99
36) 1,1-Dichloropropene	7.911	75	100734	51.037	ug/l	98
37) Ethyl Acetate	7.064	43	52849	51.619	ug/l	96
38) Carbon Tetrachloride	7.893	117	101633	49.224	ug/l	95
39) Methylcyclohexane	9.179	83	127294	49.965	ug/l	88
40) Benzene	8.155	78	299280	52.584	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27662m	52.358	ug/l	
42) 1,2-Dichloroethane	8.234	62	90391	54.086	ug/l	94
43) Isopropyl Acetate	8.271	43	105390	55.360	ug/l #	92
44) Trichloroethene	8.935	130	75287	49.958	ug/l	96
45) 1,2-Dichloropropane	9.209	63	74390	54.434	ug/l	96
46) Dibromomethane	9.301	93	47008	54.096	ug/l	94
47) Bromodichloromethane	9.496	83	106787	53.771	ug/l	98
48) Methyl methacrylate	9.289	41	48108	56.594	ug/l #	84
49) 1,4-Dioxane	9.289	88	12829	1104.412	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	310283	294.504	ug/l	92
52) Toluene	10.240	92	213319	53.632	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	110927	52.599	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	115582	50.981	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	64846	53.339	ug/l	95
56) Ethyl methacrylate	10.508	69	89534	57.604	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	109345	55.137	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	192851	286.794	ug/l	96
59) 2-Hexanone	10.831	43	220686	305.932	ug/l	89
60) Dibromochloromethane	10.984	129	80347	54.520	ug/l	99
61) 1,2-Dibromoethane	11.087	107	64457	53.504	ug/l	100
64) Tetrachloroethene	10.715	164	68564	48.954	ug/l	97
65) Chlorobenzene	11.514	112	228523	51.743	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	86146	53.269	ug/l	97
67) Ethyl Benzene	11.593	91	422943	53.139	ug/l	97
68) m/p-Xylenes	11.703	106	353932	109.541	ug/l	92
69) o-Xylene	12.026	106	167374	55.783	ug/l	90
70) Styrene	12.044	104	295220	57.215	ug/l	94
71) Bromoform	12.209	173	58958	54.996	ug/l #	98
73) Isopropylbenzene	12.331	105	445715	47.094	ug/l	100
74) N-amyl acetate	12.142	43	110388	50.552	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	94359	48.399	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	65614m	48.273	ug/l	
77) Bromobenzene	12.605	156	102321	46.638	ug/l	95
78) n-propylbenzene	12.672	91	556194	50.865	ug/l	99
79) 2-Chlorotoluene	12.758	91	307127	48.694	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	392319	49.455	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	30046	45.371	ug/l	87
82) 4-Chlorotoluene	12.855	91	344157	51.015	ug/l	98
83) tert-Butylbenzene	13.075	119	345058	49.029	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	404746	51.397	ug/l	98
85) sec-Butylbenzene	13.251	105	545870	50.694	ug/l	99
86) p-Isopropyltoluene	13.367	119	460716	51.307	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	238490	50.959	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	236839	50.372	ug/l	98
89) n-Butylbenzene	13.696	91	413080	50.284	ug/l	100
90) Hexachloroethane	13.959	117	82172	48.832	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	208872	50.560	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14341	47.380	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	100819	44.467	ug/l	98
94) Hexachlorobutadiene	15.111	225	54018	43.714	ug/l	96
95) Naphthalene	15.239	128	222540	48.860	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	92275	46.835	ug/l	99

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

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