

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051122\
 Data File : VY008726.D
 Acq On : 11 May 2022 23:48
 Operator : KP/MD
 Sample : VY0511SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS02

Quant Time: May 12 09:20:11 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	88122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	156193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	152770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52359	69.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.680%			
35) Dibromofluoromethane	7.716	113	48214	50.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.180%			
50) Toluene-d8	10.179	98	260166	76.702	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 153.400%#			
62) 4-Bromofluorobenzene	12.483	95	61469	50.372	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	7465	16.208	ug/l	86
3) Chloromethane	2.113	50	22058	38.901	ug/l #	89
4) Vinyl Chloride	2.260	62	40626	56.434	ug/l	96
5) Bromomethane	2.656	94	37518	64.849	ug/l	98
6) Chloroethane	2.796	64	28627	57.956	ug/l	96
7) Trichlorofluoromethane	3.119	101	20526	23.564	ug/l	94
8) Diethyl Ether	3.521	74	13037	23.658	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.906	101	20515	23.016	ug/l	92
10) Methyl Iodide	4.088	142	31203	21.094	ug/l	92
11) Tert butyl alcohol	4.948	59	10046	149.281	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	20022	21.705	ug/l	85
13) Acrolein	3.729	56	8710	116.814	ug/l	99
14) Allyl chloride	4.473	41	29273	24.531	ug/l #	89
15) Acrylonitrile	5.161	53	33090	134.001	ug/l	99
16) Acetone	3.942	43	25881	145.283	ug/l #	89
17) Carbon Disulfide	4.192	76	58372	23.860	ug/l	99
18) Methyl Acetate	4.473	43	17591	32.744	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	43515	25.590	ug/l	91
20) Methylene Chloride	4.710	84	30969	28.627	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	24182	23.324	ug/l #	80
22) Diisopropyl ether	6.112	45	69010	26.715	ug/l	97
23) Vinyl Acetate	6.058	43	232613	142.559	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	42758	25.779	ug/l	98
25) 2-Butanone	6.984	43	42856	146.350	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	27083	24.425	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	27776	23.698	ug/l	85
28) Bromochloromethane	7.326	49	16279	27.676	ug/l #	83
29) Tetrahydrofuran	7.344	42	28988	148.119	ug/l #	86
30) Chloroform	7.502	83	45364	25.862	ug/l	99
31) Cyclohexane	7.783	56	36430	24.390	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	37183	25.866	ug/l	97
36) 1,1-Dichloropropene	7.911	75	34719	22.450	ug/l	100
37) Ethyl Acetate	7.070	43	20152	26.207	ug/l #	93
38) Carbon Tetrachloride	7.899	117	34354	21.963	ug/l	99
39) Methylcyclohexane	9.179	83	41974	20.986	ug/l	93
40) Benzene	8.161	78	100460	22.358	ug/l	98

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41) Methacrylonitrile	7.313	41	10375m	24.856	ug/l	
42) 1,2-Dichloroethane	8.234	62	31158	26.751	ug/l	93
43) Isopropyl Acetate	8.271	43	36396	26.055	ug/l #	91
44) Trichloroethene	8.935	130	25896	19.749	ug/l	93
45) 1,2-Dichloropropane	9.216	63	24806	22.628	ug/l	97
46) Dibromomethane	9.307	93	16425	23.939	ug/l	92
47) Bromodichloromethane	9.496	83	36213	23.636	ug/l	97
48) Methyl methacrylate	9.289	41	15451	25.409	ug/l #	79
49) 1,4-Dioxane	9.307	88	4242	511.260	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	131345	179.780	ug/l #	87
52) Toluene	10.240	92	97110	33.198	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	52794	32.066	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	61576	32.773	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	34322	35.077	ug/l	96
56) Ethyl methacrylate	10.508	69	40180	32.451	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	53422	33.377	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	94310	153.827	ug/l #	86
59) 2-Hexanone	10.831	43	85889	171.647	ug/l	82
60) Dibromochloromethane	10.984	129	43055	36.236	ug/l	97
61) 1,2-Dibromoethane	11.087	107	34400	35.676	ug/l	99
64) Tetrachloroethene	10.721	164	39002	32.754	ug/l	97
65) Chlorobenzene	11.514	112	70008	20.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	25323	19.953	ug/l	95
67) Ethyl Benzene	11.593	91	122423	20.845	ug/l	99
68) m/p-Xylenes	11.703	106	97271	41.396	ug/l	91
69) o-Xylene	12.032	106	46150	20.703	ug/l	90
70) Styrene	12.044	104	78404	21.182	ug/l	93
71) Bromoform	12.203	173	15827	19.349	ug/l #	99
73) Isopropylbenzene	12.331	105	117371	20.012	ug/l	100
74) N-amyl acetate	12.142	43	33336	25.314	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	28385	23.122	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	19585m	22.631	ug/l	
77) Bromobenzene	12.605	156	27673	18.858	ug/l	99
78) n-propylbenzene	12.672	91	145968	20.933	ug/l	99
79) 2-Chlorotoluene	12.758	91	80596	20.892	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	98405	20.716	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9197	21.144	ug/l	87
82) 4-Chlorotoluene	12.855	91	83758	20.937	ug/l	96
83) tert-Butylbenzene	13.075	119	85772	20.127	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	99192	21.144	ug/l	98
85) sec-Butylbenzene	13.251	105	130769	20.762	ug/l	99
86) p-Isopropyltoluene	13.367	119	107366	20.514	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	56835	20.022	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	56970	20.241	ug/l	99
89) n-Butylbenzene	13.696	91	102161	21.328	ug/l	98
90) Hexachloroethane	13.959	117	21407	21.066	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	50413	20.023	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4498	24.756	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	56107	34.883	ug/l	99
94) Hexachlorobutadiene	15.111	225	30872	35.027	ug/l	97
95) Naphthalene	15.239	128	112354	34.144	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	49131	34.661	ug/l	99

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

