

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012022\
 Data File : VY007240.D
 Acq On : 20 Jan 2022 11:23
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Quant Time: Jan 21 00:45:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/21/2022
 Supervised By : Mahesh Dadoda 01/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	101606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	153066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	64981	52.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.716	113	59906	51.425	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.840%			
50) Toluene-d8	10.179	98	221210	51.969	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.940%			
62) 4-Bromofluorobenzene	12.483	95	78636	51.935	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	7031	19.735	ug/l	91
3) Chloromethane	2.113	50	15015	20.097	ug/l	100
4) Vinyl Chloride	2.260	62	22243	20.455	ug/l	99
5) Bromomethane	2.656	94	14773	20.981	ug/l	100
6) Chloroethane	2.796	64	14300	21.077	ug/l	92
7) Trichlorofluoromethane	3.125	101	21643	18.468	ug/l	98
8) Diethyl Ether	3.528	74	12944	20.058	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.900	101	23504	20.585	ug/l	98
10) Methyl Iodide	4.088	142	32960	19.517	ug/l	97
11) Tert butyl alcohol	4.948	59	10820	98.875	ug/l	98
12) 1,1-Dichloroethene	3.869	96	23434	20.382	ug/l	98
13) Acrolein	3.729	56	2759	98.144	ug/l	93
14) Allyl chloride	4.473	41	38023	20.625	ug/l	97
15) Acrylonitrile	5.161	53	31936	102.971	ug/l	98
16) Acetone	3.942	43	31017	95.863	ug/l	99
17) Carbon Disulfide	4.192	76	57808	18.105	ug/l	99
18) Methyl Acetate	4.473	43	26892	23.358	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	46866	20.705	ug/l	98
20) Methylene Chloride	4.710	84	32527	24.312	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	24805	19.900	ug/l	96
22) Diisopropyl ether	6.113	45	79182	21.201	ug/l	95
23) Vinyl Acetate	6.058	43	214239	97.542	ug/l	96
24) 1,1-Dichloroethane	6.015	63	48229	21.228	ug/l	96
25) 2-Butanone	6.984	43	43235	103.353	ug/l	98
26) 2,2-Dichloropropane	6.984	77	33972	20.518	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	29354	20.760	ug/l	97
28) Bromochloromethane	7.332	49	14001	17.037	ug/l	92
29) Tetrahydrofuran	7.350	42	27402	101.901	ug/l	97
30) Chloroform	7.509	83	50853	21.543	ug/l	95
31) Cyclohexane	7.789	56	42479	20.154	ug/l	98
32) 1,1,1-Trichloroethane	7.698	97	42839	21.232	ug/l	99
36) 1,1-Dichloropropene	7.917	75	38051	20.452	ug/l	98
37) Ethyl Acetate	7.076	43	20095	21.046	ug/l	97
38) Carbon Tetrachloride	7.899	117	40476	20.683	ug/l	97
39) Methylcyclohexane	9.185	83	45072	19.841	ug/l	98
40) Benzene	8.161	78	102291	20.611	ug/l	99

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41) Methacrylonitrile	7.320	41	10465m	19.033	ug/l	
42) 1,2-Dichloroethane	8.240	62	32634	20.881	ug/l	100
43) Isopropyl Acetate	8.271	43	37418	20.140	ug/l	98
44) Trichloroethene	8.941	130	27793	20.695	ug/l	95
45) 1,2-Dichloropropane	9.216	63	26046	20.638	ug/l	94
46) Dibromomethane	9.307	93	15278	20.471	ug/l	97
47) Bromodichloromethane	9.496	83	39244	21.390	ug/l	99
48) Methyl methacrylate	9.289	41	16270	19.253	ug/l	97
49) 1,4-Dioxane	9.301	88	3475	431.840	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	93075	98.802	ug/l	97
52) Toluene	10.246	92	67061	21.317	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	40112	20.711	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	43979	20.286	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	21112	20.855	ug/l	96
56) Ethyl methacrylate	10.508	69	28943	20.295	ug/l	95
57) 1,3-Dichloropropane	10.789	76	36171	20.499	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	71313	109.968	ug/l	97
59) 2-Hexanone	10.831	43	63848	99.869	ug/l	96
60) Dibromochloromethane	10.984	129	25013	20.100	ug/l	98
61) 1,2-Dibromoethane	11.087	107	20274	20.386	ug/l	98
64) Tetrachloroethene	10.721	164	21986	19.928	ug/l	98
65) Chlorobenzene	11.514	112	69565	20.785	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	25768	20.770	ug/l	99
67) Ethyl Benzene	11.593	91	130850	20.801	ug/l	98
68) m/p-Xylenes	11.703	106	96441	41.255	ug/l	99
69) o-Xylene	12.032	106	46142	20.960	ug/l	98
70) Styrene	12.044	104	77733	20.931	ug/l	100
71) Bromoform	12.209	173	14731	20.527	ug/l #	98
73) Isopropylbenzene	12.331	105	124463	19.895	ug/l	100
74) N-amyl acetate	12.142	43	33489	20.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	23868	19.620	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	15088m	18.268	ug/l	
77) Bromobenzene	12.611	156	26937	19.788	ug/l	98
78) n-propylbenzene	12.672	91	156782	20.216	ug/l	99
79) 2-Chlorotoluene	12.758	91	86608	20.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	104196	20.284	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8451	18.732	ug/l #	99
82) 4-Chlorotoluene	12.855	91	91010	20.234	ug/l	99
83) tert-Butylbenzene	13.075	119	90346	20.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	104486	20.521	ug/l	99
85) sec-Butylbenzene	13.258	105	136646	20.578	ug/l	100
86) p-Isopropyltoluene	13.373	119	111983	20.521	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	53471	20.068	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	54624	20.388	ug/l	99
89) n-Butylbenzene	13.697	91	112543	20.946	ug/l	98
90) Hexachloroethane	13.959	117	21660	20.303	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	47455	20.017	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3955	18.824	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	29901	20.740	ug/l	99
94) Hexachlorobutadiene	15.111	225	15865	21.352	ug/l	98
95) Naphthalene	15.233	128	60354	19.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25612	20.823	ug/l	100

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

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