

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012822\
 Data File : VY007317.D
 Acq On : 28 Jan 2022 13:35
 Operator : SY/MD
 Sample : VY0128SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0128SBS01

Quant Time: Jan 31 00:29:44 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 01/31/2022
 Supervised By : Mahesh Dadoda 01/31/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	112505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	193155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	169233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68000	49.259	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.520%		
35) Dibromofluoromethane	7.716	113	64584	49.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.179	98	227334	47.636	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.280%		
62) 4-Bromofluorobenzene	12.483	95	82065	48.342	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	7418	18.804	ug/l	77
3) Chloromethane	2.119	50	15157	18.322	ug/l	96
4) Vinyl Chloride	2.259	62	21728	18.046	ug/l	99
5) Bromomethane	2.656	94	15745	20.195	ug/l	95
6) Chloroethane	2.802	64	15014	19.986	ug/l	97
7) Trichlorofluoromethane	3.125	101	26856	20.697	ug/l	95
8) Diethyl Ether	3.527	74	14746	20.637	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	24713	19.547	ug/l	99
10) Methyl Iodide	4.088	142	33765	18.057	ug/l	97
11) Tert butyl alcohol	4.954	59	15708	131.163	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	24359	19.134	ug/l	99
13) Acrolein	3.729	56	3870	128.970	ug/l	98
14) Allyl chloride	4.479	41	38013	18.622	ug/l	98
15) Acrylonitrile	5.161	53	40250	117.205	ug/l	98
16) Acetone	3.942	43	37417	104.441	ug/l	98
17) Carbon Disulfide	4.192	76	53401	15.105	ug/l	100
18) Methyl Acetate	4.479	43	36410	28.562	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	52679	21.019	ug/l	95
20) Methylene Chloride	4.710	84	28557	19.277	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	25928	18.786	ug/l	92
22) Diisopropyl ether	6.118	45	82489	19.947	ug/l	98
23) Vinyl Acetate	6.064	43	225579	92.756	ug/l	97
24) 1,1-Dichloroethane	6.021	63	49510	19.681	ug/l	96
25) 2-Butanone	6.984	43	52041	112.352	ug/l	95
26) 2,2-Dichloropropane	6.984	77	36305	19.803	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	31335	20.015	ug/l	99
28) Bromochloromethane	7.332	49	14783	16.246	ug/l	98
29) Tetrahydrofuran	7.344	42	33666	113.067	ug/l	99
30) Chloroform	7.508	83	53977	20.651	ug/l	98
31) Cyclohexane	7.789	56	41110	17.615	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	44617	19.971	ug/l	99
36) 1,1-Dichloropropene	7.917	75	38528	18.470	ug/l	99
37) Ethyl Acetate	7.076	43	23849	22.278	ug/l	98
38) Carbon Tetrachloride	7.905	117	41923	19.107	ug/l	98
39) Methylcyclohexane	9.185	83	45629	17.915	ug/l	97
40) Benzene	8.161	78	107733	19.362	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	11325m	18.371	ug/l	
42) 1,2-Dichloroethane	8.240	62	35158	20.065	ug/l	99
43) Isopropyl Acetate	8.271	43	43587	20.925	ug/l	98
44) Trichloroethene	8.941	130	29097	19.324	ug/l	96
45) 1,2-Dichloropropane	9.222	63	27475	19.417	ug/l	92
46) Dibromomethane	9.307	93	17019	20.339	ug/l	97
47) Bromodichloromethane	9.496	83	40582	19.728	ug/l	99
48) Methyl methacrylate	9.295	41	19073	20.131	ug/l	95
49) 1,4-Dioxane	9.307	88	4516	500.551	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	119230	112.888	ug/l	96
52) Toluene	10.246	92	69134	19.601	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	43013	19.808	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	46234	19.021	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	23535	20.736	ug/l	95
56) Ethyl methacrylate	10.514	69	33081	20.689	ug/l	99
57) 1,3-Dichloropropane	10.788	76	39813	20.124	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	83205	114.439	ug/l	99
59) 2-Hexanone	10.831	43	79285	110.612	ug/l	100
60) Dibromochloromethane	10.983	129	28227	20.231	ug/l	100
61) 1,2-Dibromoethane	11.093	107	22844	20.487	ug/l	99
64) Tetrachloroethene	10.721	164	23890	19.585	ug/l	97
65) Chlorobenzene	11.520	112	73656	19.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	27799	20.266	ug/l	99
67) Ethyl Benzene	11.593	91	139306	20.030	ug/l	99
68) m/p-Xylenes	11.703	106	100908	39.043	ug/l	99
69) o-Xylene	12.032	106	47945	19.699	ug/l	97
70) Styrene	12.044	104	84120	20.487	ug/l	99
71) Bromoform	12.209	173	17184	21.658	ug/l #	97
73) Isopropylbenzene	12.331	105	133083	19.304	ug/l	99
74) N-amyl acetate	12.142	43	36948	20.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	29032	21.656	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	18364m	20.176	ug/l	
77) Bromobenzene	12.611	156	29046	19.362	ug/l	97
78) n-propylbenzene	12.672	91	162424	19.005	ug/l	99
79) 2-Chlorotoluene	12.758	91	91226	19.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	108452	19.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10242	20.601	ug/l #	99
82) 4-Chlorotoluene	12.855	91	93482	18.859	ug/l	98
83) tert-Butylbenzene	13.075	119	93949	19.207	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	109032	19.432	ug/l	100
85) sec-Butylbenzene	13.257	105	143147	19.562	ug/l	100
86) p-Isopropyltoluene	13.373	119	117178	19.486	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	57416	19.554	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	56888	19.267	ug/l	100
89) n-Butylbenzene	13.696	91	115160	19.449	ug/l	100
90) Hexachloroethane	13.959	117	23069	19.623	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	51107	19.562	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4821	20.821	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	31585	19.881	ug/l	98
94) Hexachlorobutadiene	15.111	225	16246	19.841	ug/l	100
95) Naphthalene	15.239	128	69277	20.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	26431	19.500	ug/l	99

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

