

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007159.D
 Acq On : 14 Jan 2022 11:23
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/17/2022

Quant Time: Jan 14 13:46:10 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	119925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	205277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82670	56.181	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.360%			
35) Dibromofluoromethane	7.716	113	74178	53.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.880%			
50) Toluene-d8	10.179	98	274423	54.107	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.220%			
62) 4-Bromofluorobenzene	12.483	95	99266	55.021	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	8590	20.428	ug/l	91
3) Chloromethane	2.113	50	15878	18.006	ug/l	96
4) Vinyl Chloride	2.253	62	26713	20.814	ug/l	95
5) Bromomethane	2.656	94	17718	21.320	ug/l	95
6) Chloroethane	2.796	64	16904	21.109	ug/l	91
7) Trichlorofluoromethane	3.119	101	26368	19.063	ug/l	100
8) Diethyl Ether	3.528	74	16646	21.854	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	28450	21.111	ug/l	98
10) Methyl Iodide	4.082	142	41397	20.769	ug/l	98
11) Tert butyl alcohol	4.948	59	16332	127.815	ug/l	97
12) 1,1-Dichloroethene	3.869	96	28093	20.702	ug/l	96
13) Acrolein	3.723	56	4244	133.184	ug/l	95
14) Allyl chloride	4.472	41	47058	21.627	ug/l	97
15) Acrylonitrile	5.155	53	41200	112.549	ug/l	97
16) Acetone	3.942	43	38396	100.542	ug/l	96
17) Carbon Disulfide	4.192	76	76975	20.426	ug/l	100
18) Methyl Acetate	4.472	43	33492	24.647	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	58395	21.858	ug/l	96
20) Methylene Chloride	4.716	84	32423	20.532	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	31419	21.356	ug/l	96
22) Diisopropyl ether	6.119	45	96139	21.809	ug/l	98
23) Vinyl Acetate	6.058	43	277925	107.209	ug/l	98
24) 1,1-Dichloroethane	6.021	63	58035	21.643	ug/l	98
25) 2-Butanone	6.978	43	53627	108.612	ug/l	94
26) 2,2-Dichloropropane	6.978	77	40898	20.928	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	36006	21.575	ug/l	99
28) Bromochloromethane	7.332	49	19585	20.192	ug/l	94
29) Tetrahydrofuran	7.344	42	36588	115.277	ug/l	97
30) Chloroform	7.502	83	59832	21.475	ug/l	96
31) Cyclohexane	7.783	56	52684	21.177	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	51050	21.437	ug/l	97
36) 1,1-Dichloropropene	7.917	75	47305	21.338	ug/l	98
37) Ethyl Acetate	7.070	43	25375	22.304	ug/l	97
38) Carbon Tetrachloride	7.899	117	49351	21.164	ug/l	97
39) Methylcyclohexane	9.185	83	57010	21.062	ug/l	98
40) Benzene	8.161	78	123559	20.894	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13941m	21.279	ug/l	
42) 1,2-Dichloroethane	8.234	62	41334	22.197	ug/l	99
43) Isopropyl Acetate	8.271	43	48746	22.020	ug/l	98
44) Trichloroethene	8.935	130	33934	21.206	ug/l	97
45) 1,2-Dichloropropane	9.216	63	31786	21.137	ug/l	97
46) Dibromomethane	9.301	93	18847	21.194	ug/l	98
47) Bromodichloromethane	9.496	83	46452	21.248	ug/l #	99
48) Methyl methacrylate	9.289	41	22646	22.491	ug/l	97
49) 1,4-Dioxane	9.301	88	4620	481.839	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	124210	110.658	ug/l	97
52) Toluene	10.246	92	79512	21.212	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	49369	21.393	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	54564	21.122	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	25395	21.054	ug/l	98
56) Ethyl methacrylate	10.508	69	36242	21.328	ug/l	95
57) 1,3-Dichloropropane	10.788	76	45297	21.544	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	84363	109.180	ug/l	98
59) 2-Hexanone	10.831	43	84762	111.270	ug/l	96
60) Dibromochloromethane	10.983	129	31545	21.274	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25469	21.493	ug/l	99
64) Tetrachloroethene	10.715	164	27673	20.877	ug/l	97
65) Chlorobenzene	11.514	112	84212	20.943	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	32205	21.606	ug/l	97
67) Ethyl Benzene	11.593	91	159021	21.041	ug/l	99
68) m/p-Xylenes	11.703	106	117034	41.671	ug/l	98
69) o-Xylene	12.026	106	55654	21.042	ug/l	98
70) Styrene	12.044	104	94480	21.175	ug/l	99
71) Bromoform	12.209	173	18295	21.219	ug/l #	99
73) Isopropylbenzene	12.331	105	150675	20.290	ug/l	100
74) N-amyl acetate	12.142	43	43089	21.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	30415	21.063	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	22873m	23.331	ug/l	
77) Bromobenzene	12.605	156	32734	20.258	ug/l	95
78) n-propylbenzene	12.672	91	188022	20.425	ug/l	99
79) 2-Chlorotoluene	12.758	91	105239	20.562	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	124422	20.406	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10989	20.521	ug/l #	98
82) 4-Chlorotoluene	12.855	91	110766	20.746	ug/l	100
83) tert-Butylbenzene	13.075	119	110029	20.884	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	124479	20.596	ug/l	98
85) sec-Butylbenzene	13.251	105	161912	20.542	ug/l	100
86) p-Isopropyltoluene	13.367	119	134966	20.837	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	65419	20.684	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	66072	20.776	ug/l	99
89) n-Butylbenzene	13.696	91	132826	20.827	ug/l	99
90) Hexachloroethane	13.959	117	26022	20.550	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	57457	20.418	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5078	20.361	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	34395	20.099	ug/l	98
94) Hexachlorobutadiene	15.111	225	17948	20.351	ug/l	98
95) Naphthalene	15.239	128	73892	20.330	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29133	19.955	ug/l	98

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

