

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007616.D
 Acq On : 24 Feb 2022 11:39
 Operator : SY/MD
 Sample : VY0224SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Quant Time: Feb 25 05:41:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/25/2022
 Supervised By : Mahesh Dadoda 02/25/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	58784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	90604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	89606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	44672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	34646	52.980	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.960%			
35) Dibromofluoromethane	7.716	113	30606	53.535	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.080%			
50) Toluene-d8	10.179	98	100980	47.912	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.483	95	36391	50.341	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19127	26.308	ug/l	97
3) Chloromethane	2.113	50	19151	27.000	ug/l	94
4) Vinyl Chloride	2.253	62	20942	24.284	ug/l	99
5) Bromomethane	2.649	94	15440	27.794	ug/l	100
6) Chloroethane	2.796	64	13302	24.244	ug/l	90
7) Trichlorofluoromethane	3.131	101	39035	23.466	ug/l	97
8) Diethyl Ether	3.533	74	10151	23.915	ug/l	57
9) 1,1,2-Trichlorotrifluo...	3.905	101	16803	23.512	ug/l	98
10) Methyl Iodide	4.094	142	20372	23.356	ug/l	99
11) Tert butyl alcohol	4.954	59	7649	116.134	ug/l	97
12) 1,1-Dichloroethene	3.881	96	15981	24.067	ug/l #	67
13) Acrolein	3.729	56	10495	124.696	ug/l	99
14) Allyl chloride	4.478	41	14144	23.041	ug/l #	58
15) Acrylonitrile	5.167	53	17770	121.395	ug/l	99
16) Acetone	3.954	43	19358	129.979	ug/l	95
17) Carbon Disulfide	4.198	76	39394	23.872	ug/l #	94
18) Methyl Acetate	4.485	43	8154	26.039	ug/l #	67
19) Methyl tert-butyl Ether	5.216	73	43430	24.336	ug/l #	84
20) Methylene Chloride	4.722	84	18040	24.109	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	15092	22.781	ug/l #	80
22) Diisopropyl ether	6.124	45	31285	24.255	ug/l #	84
23) Vinyl Acetate	6.064	43	116203	124.877	ug/l #	76
24) 1,1-Dichloroethane	6.027	63	22318	22.657	ug/l	97
25) 2-Butanone	6.984	43	20340	120.462	ug/l #	79
26) 2,2-Dichloropropane	6.984	77	25433	22.995	ug/l	89
27) cis-1,2-Dichloroethene	6.990	96	18145	23.597	ug/l	75
28) Bromochloromethane	7.332	49	8860	26.386	ug/l #	34
29) Tetrahydrofuran	7.350	42	12435	126.540	ug/l #	54
30) Chloroform	7.514	83	28953	22.961	ug/l	97
31) Cyclohexane	7.789	56	18442	25.120	ug/l #	71
32) 1,1,1-Trichloroethane	7.703	97	29392	23.437	ug/l	94
36) 1,1-Dichloropropene	7.917	75	18849	22.879	ug/l	89
37) Ethyl Acetate	7.088	43	9227	24.878	ug/l #	92
38) Carbon Tetrachloride	7.899	117	28701	23.790	ug/l	89
39) Methylcyclohexane	9.179	83	24967	25.623	ug/l #	84
40) Benzene	8.161	78	55246	23.503	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4239	20.724	ug/l #	50
42) 1,2-Dichloroethane	8.240	62	20575	23.896	ug/l	93
43) Isopropyl Acetate	8.270	43	18563	24.503	ug/l #	86
44) Trichloroethene	8.947	130	19204	24.077	ug/l	88
45) 1,2-Dichloropropane	9.215	63	11855	23.699	ug/l	89
46) Dibromomethane	9.307	93	10502	24.483	ug/l	98
47) Bromodichloromethane	9.496	83	23146	23.959	ug/l #	96
48) Methyl methacrylate	9.289	41	7824	24.490	ug/l #	53
49) 1,4-Dioxane	9.307	88	2733	500.764	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	47546	124.702	ug/l	90
52) Toluene	10.246	92	36751	22.922	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	23491	24.234	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	24585	24.021	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	13916	25.188	ug/l	92
56) Ethyl methacrylate	10.508	69	16388	25.168	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	20994	24.766	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.782	63	39006	123.103	ug/l #	75
59) 2-Hexanone	10.831	43	34172	125.759	ug/l	90
60) Dibromochloromethane	10.983	129	18767	25.115	ug/l	96
61) 1,2-Dibromoethane	11.087	107	13824	24.866	ug/l	98
64) Tetrachloroethene	10.721	164	18151	25.166	ug/l	92
65) Chlorobenzene	11.514	112	45217	23.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	17369	22.444	ug/l	98
67) Ethyl Benzene	11.593	91	72763	22.213	ug/l	99
68) m/p-Xylenes	11.703	106	58403	45.526	ug/l	93
69) o-Xylene	12.026	106	28553	22.631	ug/l	93
70) Styrene	12.044	104	49030	23.231	ug/l	97
71) Bromoform	12.209	173	11166	21.783	ug/l #	99
73) Isopropylbenzene	12.331	105	76457	22.219	ug/l	98
74) N-amyl acetate	12.142	43	15730	23.473	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	14467	23.187	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	8921m	19.967	ug/l	
77) Bromobenzene	12.611	156	20328	22.662	ug/l	80
78) n-propylbenzene	12.672	91	88201	22.194	ug/l	95
79) 2-Chlorotoluene	12.757	91	48508	21.925	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	64043	21.878	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	4609	22.181	ug/l #	88
82) 4-Chlorotoluene	12.855	91	49449	21.917	ug/l	94
83) tert-Butylbenzene	13.074	119	56767	21.701	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	64322	22.419	ug/l	99
85) sec-Butylbenzene	13.251	105	80606	21.807	ug/l	98
86) p-Isopropyltoluene	13.367	119	69489	21.875	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	36625	21.980	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	37733	23.130	ug/l	97
89) n-Butylbenzene	13.696	91	62214	21.752	ug/l	97
90) Hexachloroethane	13.958	117	14017	21.891	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	33743	22.292	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3007	23.962	ug/l	75
93) 1,2,4-Trichlorobenzene	15.001	180	23372	22.143	ug/l	99
94) Hexachlorobutadiene	15.111	225	13146	22.448	ug/l	96
95) Naphthalene	15.233	128	50944	22.488	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	20709	22.711	ug/l	98

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

