

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007602.D
 Acq On : 23 Feb 2022 16:55
 Operator : SY/MD
 Sample : VY0223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0223SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 08:23:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	65753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	106476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	102482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	49598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39928	54.586	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.180%			
35) Dibromofluoromethane	7.716	113	35504	52.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.700%			
50) Toluene-d8	10.179	98	113131	45.852	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.700%			
62) 4-Bromofluorobenzene	12.477	95	42265	49.751	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18293	22.494	ug/l	98
3) Chloromethane	2.113	50	18748	23.725	ug/l	98
4) Vinyl Chloride	2.253	62	20475	21.226	ug/l	97
5) Bromomethane	2.644	94	15072	23.782	ug/l	99
6) Chloroethane	2.790	64	12707	20.705	ug/l	98
7) Trichlorofluoromethane	3.125	101	38860	20.885	ug/l	93
8) Diethyl Ether	3.528	74	10796	22.739	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.900	101	16739	20.940	ug/l	97
10) Methyl Iodide	4.088	142	20715	21.232	ug/l	100
11) Tert butyl alcohol	4.948	59	8445	114.630	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	16293	21.937	ug/l #	69
13) Acrolein	3.729	56	11912	126.532	ug/l	97
14) Allyl chloride	4.479	41	15106	22.000	ug/l #	60
15) Acrylonitrile	5.161	53	19986	122.062	ug/l	97
16) Acetone	3.948	43	19245	115.524	ug/l #	88
17) Carbon Disulfide	4.192	76	41249	22.347	ug/l	95
18) Methyl Acetate	4.473	43	8949	25.572	ug/l #	64
19) Methyl tert-butyl Ether	5.216	73	47206	23.648	ug/l #	88
20) Methylene Chloride	4.716	84	22471	27.169	ug/l #	70
21) trans-1,2-Dichloroethene	5.222	96	16400	22.131	ug/l #	72
22) Diisopropyl ether	6.113	45	34854	24.158	ug/l #	77
23) Vinyl Acetate	6.058	43	125838	120.898	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	24842	22.547	ug/l #	91
25) 2-Butanone	6.984	43	22652	119.936	ug/l #	73
26) 2,2-Dichloropropane	6.978	77	26457	21.386	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	20384	23.699	ug/l	73
28) Bromochloromethane	7.332	49	8328	22.173	ug/l #	24
29) Tetrahydrofuran	7.344	42	13947	126.884	ug/l #	56
30) Chloroform	7.503	83	32440	23.000	ug/l	96
31) Cyclohexane	7.783	56	20047	24.313	ug/l #	85
32) 1,1,1-Trichloroethane	7.704	97	30432	21.695	ug/l	93
36) 1,1-Dichloropropene	7.911	75	20797	21.481	ug/l	96
37) Ethyl Acetate	7.076	43	10688	24.521	ug/l #	85
38) Carbon Tetrachloride	7.899	117	28502	20.103	ug/l	93
39) Methylcyclohexane	9.179	83	26125	22.595	ug/l #	80
40) Benzene	8.161	78	59347	21.484	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	4800m	19.968	ug/l	
42) 1,2-Dichloroethane	8.234	62	22556	22.292	ug/l	95
43) Isopropyl Acetate	8.265	43	21074	23.671	ug/l #	87
44) Trichloroethene	8.935	130	20033	21.372	ug/l	91
45) 1,2-Dichloropropane	9.216	63	13433	22.850	ug/l	96
46) Dibromomethane	9.301	93	11407	22.629	ug/l	97
47) Bromodichloromethane	9.496	83	25732	22.665	ug/l	100
48) Methyl methacrylate	9.289	41	8872	23.631	ug/l #	60
49) 1,4-Dioxane	9.295	88	2743	427.676	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	52257	116.627	ug/l #	87
52) Toluene	10.240	92	40002	21.231	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	25754	22.608	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	27236	22.644	ug/l	88
55) 1,1,2-Trichloroethane	10.642	97	14938	23.008	ug/l	96
56) Ethyl methacrylate	10.508	69	17792	23.251	ug/l #	78
57) 1,3-Dichloropropane	10.789	76	23333	23.423	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	43854	117.772	ug/l #	77
59) 2-Hexanone	10.831	43	35960	112.612	ug/l	86
60) Dibromochloromethane	10.984	129	20241	23.049	ug/l	98
61) 1,2-Dibromoethane	11.081	107	15444	23.639	ug/l	95
64) Tetrachloroethene	10.715	164	18206	21.777	ug/l	91
65) Chlorobenzene	11.514	112	47688	21.348	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	17648	19.939	ug/l	92
67) Ethyl Benzene	11.593	91	78558	20.969	ug/l	94
68) m/p-Xylenes	11.703	106	61982	42.245	ug/l	91
69) o-Xylene	12.026	106	29778	20.636	ug/l	95
70) Styrene	12.044	104	51774	21.449	ug/l	99
71) Bromoform	12.203	173	12656	21.588	ug/l #	100
73) Isopropylbenzene	12.331	105	79576	20.829	ug/l	99
74) N-amyl acetate	12.142	43	16788	22.564	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	16254	23.464	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	8751m	17.641	ug/l	
77) Bromobenzene	12.605	156	21743	21.832	ug/l	80
78) n-propylbenzene	12.672	91	91281	20.687	ug/l	96
79) 2-Chlorotoluene	12.752	91	52210	21.255	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	68272	21.006	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	5257	22.787	ug/l	96
82) 4-Chlorotoluene	12.849	91	53230	21.249	ug/l	94
83) tert-Butylbenzene	13.075	119	60796	20.933	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	66321	20.820	ug/l	96
85) sec-Butylbenzene	13.251	105	85628	20.865	ug/l	98
86) p-Isopropyltoluene	13.367	119	72838	20.652	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	39664	21.439	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	38870	21.460	ug/l	99
89) n-Butylbenzene	13.697	91	64336	20.260	ug/l	96
90) Hexachloroethane	13.959	117	14562	20.484	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	35831	21.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3756	26.957	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	24951	21.292	ug/l	98
94) Hexachlorobutadiene	15.111	225	13138	20.206	ug/l	97
95) Naphthalene	15.233	128	55702	22.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21888	21.620	ug/l	98

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

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