

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022522\
 Data File : VY007635.D
 Acq On : 25 Feb 2022 14:03
 Operator : SY/MD
 Sample : VY0225SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0225SBS01

Quant Time: Feb 27 23:56:58 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 02/28/2022
 Supervised By : Mahesh Dadoda 02/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	84172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	124353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	112311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	36810	39.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.620%		
35) Dibromofluoromethane	7.716	113	34885	44.459	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.920%		
50) Toluene-d8	10.179	98	123422	43.081	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.160%		
62) 4-Bromofluorobenzene	12.477	95	41255	41.581	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21755	20.898	ug/l	98
3) Chloromethane	2.113	50	22640	22.423	ug/l	96
4) Vinyl Chloride	2.253	62	24780	20.068	ug/l	96
5) Bromomethane	2.644	94	16799	20.226	ug/l	94
6) Chloroethane	2.796	64	15586	19.839	ug/l	98
7) Trichlorofluoromethane	3.125	101	47019	19.740	ug/l	90
8) Diethyl Ether	3.528	74	10195	16.774	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.887	101	19418	18.975	ug/l	97
10) Methyl Iodide	4.095	142	21941	17.568	ug/l	97
11) Tert butyl alcohol	4.954	59	7527	79.812	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	18331	19.280	ug/l	80
13) Acrolein	3.729	56	8354	69.320	ug/l	98
14) Allyl chloride	4.479	41	15189	17.281	ug/l #	50
15) Acrylonitrile	5.161	53	17768	84.770	ug/l	98
16) Acetone	3.942	43	19169	89.888	ug/l #	83
17) Carbon Disulfide	4.192	76	43941	18.596	ug/l	99
18) Methyl Acetate	4.479	43	7677	17.547	ug/l #	64
19) Methyl tert-butyl Ether	5.216	73	43553	17.044	ug/l #	85
20) Methylene Chloride	4.716	84	18970	16.955	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	17433	18.377	ug/l #	69
22) Diisopropyl ether	6.119	45	32356	17.519	ug/l #	88
23) Vinyl Acetate	6.058	43	113411	85.116	ug/l #	82
24) 1,1-Dichloroethane	6.015	63	24974	17.707	ug/l	94
25) 2-Butanone	6.984	43	20037	82.875	ug/l #	56
26) 2,2-Dichloropropane	6.978	77	29361	18.540	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	19601	17.802	ug/l	80
28) Bromochloromethane	7.326	49	7931	16.495	ug/l #	27
29) Tetrahydrofuran	7.344	42	11721	83.299	ug/l #	53
30) Chloroform	7.503	83	32266	17.870	ug/l	95
31) Cyclohexane	7.783	56	21157	19.428	ug/l #	67
32) 1,1,1-Trichloroethane	7.698	97	32485	18.091	ug/l	96
36) 1,1-Dichloropropene	7.917	75	21875	19.346	ug/l	90
37) Ethyl Acetate	7.070	43	9064	17.806	ug/l #	89
38) Carbon Tetrachloride	7.899	117	32560	19.664	ug/l	91
39) Methylcyclohexane	9.185	83	27571	20.225	ug/l #	76
40) Benzene	8.161	78	59946	18.581	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	6278m	22.362	ug/l	
42) 1,2-Dichloroethane	8.240	62	21120	17.872	ug/l	96
43) Isopropyl Acetate	8.271	43	17641	16.966	ug/l #	79
44) Trichloroethene	8.935	130	20999	19.182	ug/l	91
45) 1,2-Dichloropropane	9.216	63	12117	17.649	ug/l	97
46) Dibromomethane	9.307	93	10936	18.576	ug/l	97
47) Bromodichloromethane	9.490	83	24498	18.476	ug/l #	99
48) Methyl methacrylate	9.289	41	7291	16.628	ug/l #	49
49) 1,4-Dioxane	9.295	88	2619	349.639	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	45912	87.736	ug/l #	88
52) Toluene	10.246	92	40846	18.562	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	23723	17.831	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	25582	18.212	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	13765	18.153	ug/l	93
56) Ethyl methacrylate	10.508	69	15623	17.481	ug/l #	78
57) 1,3-Dichloropropane	10.789	76	20901	17.965	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.783	63	35047	80.590	ug/l #	75
59) 2-Hexanone	10.831	43	33276	89.226	ug/l	92
60) Dibromochloromethane	10.984	129	19564	19.076	ug/l	100
61) 1,2-Dibromoethane	11.087	107	13648	17.887	ug/l	99
64) Tetrachloroethene	10.715	164	20174	22.045	ug/l	97
65) Chlorobenzene	11.514	112	47982	19.600	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	18436	19.007	ug/l	99
67) Ethyl Benzene	11.593	91	82192	20.019	ug/l	96
68) m/p-Xylenes	11.703	106	65325	40.627	ug/l	92
69) o-Xylene	12.026	106	31357	19.829	ug/l	92
70) Styrene	12.044	104	51887	19.614	ug/l	99
71) Bromoform	12.203	173	12319	19.174	ug/l #	96
73) Isopropylbenzene	12.331	105	84790	20.752	ug/l	96
74) N-amyl acetate	12.142	43	14636	18.394	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	13806	18.635	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	10370m	19.547	ug/l	
77) Bromobenzene	12.605	156	20857	19.582	ug/l	81
78) n-propylbenzene	12.672	91	100594	21.317	ug/l	96
79) 2-Chlorotoluene	12.752	91	53184	20.245	ug/l	92
80) 1,3,5-Trimethylbenzene	12.813	105	72358	20.817	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	4632	18.773	ug/l #	91
82) 4-Chlorotoluene	12.855	91	54496	20.341	ug/l	93
83) tert-Butylbenzene	13.075	119	64522	20.772	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	69794	20.486	ug/l	99
85) sec-Butylbenzene	13.251	105	92336	21.037	ug/l	98
86) p-Isopropyltoluene	13.367	119	78573	20.831	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	39423	19.925	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	38896	20.079	ug/l	99
89) n-Butylbenzene	13.697	91	70381	20.724	ug/l	96
90) Hexachloroethane	13.959	117	15324	20.155	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	35863	19.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2863	19.213	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	24967	19.921	ug/l	97
94) Hexachlorobutadiene	15.111	225	14990	21.557	ug/l	96
95) Naphthalene	15.233	128	50602	18.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21102	19.489	ug/l	94

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

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