

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007617.D
 Acq On : 24 Feb 2022 14:20
 Operator : SY/MD
 Sample : VY0224SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS02

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 05:41:51 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	92085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	136842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	122382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	37781	36.881	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.760%		
35) Dibromofluoromethane	7.715	113	38115	44.142	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.280%		
50) Toluene-d8	10.178	98	133560	42.428	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.860%		
62) 4-Bromofluorobenzene	12.483	95	43938	40.244	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23501	20.635	ug/l	98
3) Chloromethane	2.113	50	22267	20.235	ug/l	96
4) Vinyl Chloride	2.253	62	24600	18.210	ug/l	96
5) Bromomethane	2.655	94	16986	18.413	ug/l	95
6) Chloroethane	2.796	64	15489	18.021	ug/l	89
7) Trichlorofluoromethane	3.131	101	45832	17.588	ug/l	96
8) Diethyl Ether	3.539	74	10083	15.165	ug/l	60
9) 1,1,2-Trichlorotrifluo...	3.905	101	19422	17.348	ug/l	95
10) Methyl Iodide	4.094	142	24184	17.700	ug/l	97
11) Tert butyl alcohol	4.948	59	6451	62.525	ug/l	97
12) 1,1-Dichloroethene	3.875	96	18494	17.780	ug/l #	68
13) Acrolein	3.728	56	9623	72.988	ug/l	95
14) Allyl chloride	4.484	41	16719	17.387	ug/l #	59
15) Acrylonitrile	5.167	53	16746	73.029	ug/l	98
16) Acetone	3.948	43	17418	74.659	ug/l #	89
17) Carbon Disulfide	4.198	76	45636	17.654	ug/l	97
18) Methyl Acetate	4.478	43	7400	15.608	ug/l #	66
19) Methyl tert-butyl Ether	5.216	73	43501	15.561	ug/l	91
20) Methylene Chloride	4.722	84	18451	14.761	ug/l #	69
21) trans-1,2-Dichloroethene	5.222	96	18281	17.615	ug/l #	72
22) Diisopropyl ether	6.118	45	33436	16.548	ug/l #	84
23) Vinyl Acetate	6.063	43	114114	78.284	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	26115	16.924	ug/l	95
25) 2-Butanone	6.990	43	17899	67.670	ug/l #	66
26) 2,2-Dichloropropane	6.984	77	30009	17.321	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	20030	16.628	ug/l	80
28) Bromochloromethane	7.331	49	8773	16.678	ug/l #	41
29) Tetrahydrofuran	7.350	42	10654	69.209	ug/l #	58
30) Chloroform	7.508	83	32924	16.668	ug/l	90
31) Cyclohexane	7.782	56	21974	18.267	ug/l #	75
32) 1,1,1-Trichloroethane	7.703	97	33747	17.178	ug/l	95
36) 1,1-Dichloropropene	7.917	75	22550	18.123	ug/l	91
37) Ethyl Acetate	7.075	43	8442	15.071	ug/l #	87
38) Carbon Tetrachloride	7.904	117	32209	17.677	ug/l	98
39) Methylcyclohexane	9.185	83	27951	18.474	ug/l #	76
40) Benzene	8.160	78	63991	18.025	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4289	13.883	ug/l #	1
42) 1,2-Dichloroethane	8.240	62	20876	16.053	ug/l	94
43) Isopropyl Acetate	8.270	43	17784	15.543	ug/l #	90
44) Trichloroethene	8.941	130	22082	18.331	ug/l	88
45) 1,2-Dichloropropane	9.221	63	13284	17.582	ug/l	99
46) Dibromomethane	9.307	93	10887	16.805	ug/l	98
47) Bromodichloromethane	9.496	83	25089	17.195	ug/l #	95
48) Methyl methacrylate	9.294	41	6945	14.393	ug/l #	48
49) 1,4-Dioxane	9.301	88	2376	288.249	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	42152	73.199	ug/l #	87
52) Toluene	10.245	92	41400	17.097	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	23059	15.750	ug/l	97
54) cis-1,3-Dichloropropene	9.928	75	26774	17.321	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	14061	16.851	ug/l	90
56) Ethyl methacrylate	10.508	69	15204	15.460	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	21434	16.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	34775	72.666	ug/l #	74
59) 2-Hexanone	10.831	43	30641	74.662	ug/l	90
60) Dibromochloromethane	10.983	129	19266	17.071	ug/l	98
61) 1,2-Dibromoethane	11.087	107	13644	16.250	ug/l	100
64) Tetrachloroethene	10.721	164	20421	20.309	ug/l	94
65) Chlorobenzene	11.514	112	49874	18.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	18728	17.719	ug/l	97
67) Ethyl Benzene	11.593	91	85020	19.004	ug/l	94
68) m/p-Xylenes	11.703	106	66288	37.833	ug/l	94
69) o-Xylene	12.032	106	32636	18.939	ug/l	93
70) Styrene	12.044	104	53528	18.570	ug/l	98
71) Bromoform	12.209	173	10795	15.419	ug/l #	98
73) Isopropylbenzene	12.330	105	88641	20.520	ug/l	99
74) N-amyl acetate	12.141	43	14058	16.711	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.587	83	13500	17.236	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	10539m	18.790	ug/l	
77) Bromobenzene	12.605	156	21258	18.878	ug/l	78
78) n-propylbenzene	12.672	91	100048	20.054	ug/l	97
79) 2-Chlorotoluene	12.757	91	53278	19.183	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	71258	19.391	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	4364	16.730	ug/l	95
82) 4-Chlorotoluene	12.855	91	56675	20.010	ug/l	94
83) tert-Butylbenzene	13.074	119	64609	19.675	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	70982	19.708	ug/l	100
85) sec-Butylbenzene	13.251	105	92152	19.859	ug/l	96
86) p-Isopropyltoluene	13.367	119	78083	19.581	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	40464	19.344	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	39783	19.426	ug/l	98
89) n-Butylbenzene	13.696	91	70667	19.682	ug/l	96
90) Hexachloroethane	13.958	117	15431	19.198	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	35435	18.648	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.348	75	2636	16.733	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	24569	18.543	ug/l	97
94) Hexachlorobutadiene	15.117	225	14778	20.102	ug/l	96
95) Naphthalene	15.238	128	47330	16.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	21438	18.728	ug/l	96

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

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