

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007079.D
 Acq On : 08 Jan 2022 15:22
 Operator : SY/MD
 Sample : VY0108SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0108SBS01

Quant Time: Jan 10 03:39:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	159715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	267221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	235710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	93666	49.021	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.040%		
35) Dibromofluoromethane	7.722	113	88981	49.962	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.920%		
50) Toluene-d8	10.185	98	333215	50.652	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.483	95	119039	50.173	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	10242	18.559	ug/l	87
3) Chloromethane	2.119	50	22354	19.338	ug/l	93
4) Vinyl Chloride	2.259	62	31736	18.911	ug/l	94
5) Bromomethane	2.662	94	22027	19.756	ug/l	99
6) Chloroethane	2.802	64	20003	19.455	ug/l	97
7) Trichlorofluoromethane	3.131	101	39947	19.440	ug/l	93
8) Diethyl Ether	3.534	74	19500	19.430	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.918	101	33875	19.182	ug/l	99
10) Methyl Iodide	4.094	142	51736	18.922	ug/l	100
11) Tert butyl alcohol	4.960	59	14347	94.176	ug/l	98
12) 1,1-Dichloroethene	3.881	96	34657	18.982	ug/l	90
13) Acrolein	3.735	56	5040	99.129	ug/l	94
14) Allyl chloride	4.485	41	54010	19.469	ug/l	99
15) Acrylonitrile	5.167	53	43297	93.961	ug/l	97
16) Acetone	3.948	43	34973	97.557	ug/l	98
17) Carbon Disulfide	4.198	76	99397	19.004	ug/l	100
18) Methyl Acetate	4.485	43	32827	19.963	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	70143	19.330	ug/l	98
20) Methylene Chloride	4.722	84	39948	18.729	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	37530	19.057	ug/l	97
22) Diisopropyl ether	6.125	45	109392	19.389	ug/l	98
23) Vinyl Acetate	6.070	43	305367	93.465	ug/l	99
24) 1,1-Dichloroethane	6.021	63	66039	19.187	ug/l	99
25) 2-Butanone	6.990	43	54719	98.786	ug/l	99
26) 2,2-Dichloropropane	6.990	77	51124	19.143	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	42384	19.117	ug/l	98
28) Bromochloromethane	7.344	49	21013	16.354	ug/l	100
29) Tetrahydrofuran	7.350	42	37335	94.106	ug/l	99
30) Chloroform	7.515	83	69828	19.268	ug/l	98
31) Cyclohexane	7.789	56	62600	19.035	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	61315	19.455	ug/l	99
36) 1,1-Dichloropropene	7.923	75	54360	19.263	ug/l	99
37) Ethyl Acetate	7.076	43	26146	18.931	ug/l	98
38) Carbon Tetrachloride	7.905	117	57002	19.331	ug/l	99
39) Methylcyclohexane	9.185	83	67835	19.220	ug/l	98
40) Benzene	8.167	78	146829	19.325	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	13820	17.601	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	45026	19.409	ug/l	98
43) Isopropyl Acetate	8.277	43	51913	19.370	ug/l	99
44) Trichloroethene	8.941	130	40136	19.091	ug/l	99
45) 1,2-Dichloropropane	9.222	63	36043	19.161	ug/l	99
46) Dibromomethane	9.313	93	21604	19.263	ug/l	98
47) Bromodichloromethane	9.502	83	54187	19.343	ug/l	97
48) Methyl methacrylate	9.295	41	24476	20.258	ug/l	97
49) 1,4-Dioxane	9.307	88	4763	416.753	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	128626	97.432	ug/l	99
52) Toluene	10.246	92	92313	19.085	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	56528	19.310	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	62680	18.984	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	29259	19.201	ug/l	97
56) Ethyl methacrylate	10.514	69	40376	18.863	ug/l	96
57) 1,3-Dichloropropane	10.794	76	51418	19.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	92695	94.878	ug/l	99
59) 2-Hexanone	10.837	43	86625	101.145	ug/l	98
60) Dibromochloromethane	10.989	129	35523	18.684	ug/l	99
61) 1,2-Dibromoethane	11.093	107	29450	19.318	ug/l	98
64) Tetrachloroethene	10.721	164	33222	19.755	ug/l	93
65) Chlorobenzene	11.520	112	98754	19.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	35918	19.125	ug/l	100
67) Ethyl Benzene	11.593	91	186088	19.532	ug/l	97
68) m/p-Xylenes	11.703	106	138479	38.859	ug/l	99
69) o-Xylene	12.032	106	65116	19.507	ug/l	98
70) Styrene	12.044	104	109582	19.428	ug/l	99
71) Bromoform	12.209	173	20428	18.993	ug/l #	100
73) Isopropylbenzene	12.331	105	175472	19.504	ug/l	100
74) N-amyl acetate	12.148	43	44744	19.537	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	33017	19.244	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	23184m	19.213	ug/l	
77) Bromobenzene	12.611	156	38299	19.277	ug/l	98
78) n-propylbenzene	12.672	91	216406	19.690	ug/l	99
79) 2-Chlorotoluene	12.757	91	122053	19.521	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	145047	19.600	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	12103	18.839	ug/l #	97
82) 4-Chlorotoluene	12.855	91	127132	19.694	ug/l	99
83) tert-Butylbenzene	13.081	119	128984	19.791	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	144650	19.886	ug/l	99
85) sec-Butylbenzene	13.257	105	188102	19.806	ug/l	99
86) p-Isopropyltoluene	13.373	119	152729	19.643	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	74740	19.493	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	74077	19.404	ug/l	99
89) n-Butylbenzene	13.696	91	148698	19.607	ug/l	100
90) Hexachloroethane	13.965	117	30328	19.683	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	65363	19.415	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5645	19.757	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	39938	19.994	ug/l	98
94) Hexachlorobutadiene	15.117	225	20779	20.207	ug/l	97
95) Naphthalene	15.239	128	82264	19.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	33761	20.038	ug/l	99

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

