

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072721\
 Data File : VY005463.D
 Acq On : 27 Jul 2021 14:41
 Operator : SY/MD
 Sample : VY0727SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0727SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2021 8:57:07 PM

Quant Time: Jul 28 02:32:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	242598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	362714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	335158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	177378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	147118	56.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.520%
35) Dibromofluoromethane	7.728	113	116801	55.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.540%
50) Toluene-d8	10.185	98	489497	55.145	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.280%
62) 4-Bromofluorobenzene	12.483	95	162668	55.524	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.040%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	56951	25.932	ug/l	100
3) Chloromethane	2.119	50	66086	24.547	ug/l	96
4) Vinyl Chloride	2.259	62	67659	21.105	ug/l	96
5) Bromomethane	2.644	94	51738	22.083	ug/l	95
6) Chloroethane	2.796	64	42783	21.243	ug/l	100
7) Trichlorofluoromethane	3.131	101	90741	21.645	ug/l	99
8) Diethyl Ether	3.540	74	31340	21.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	48610	21.335	ug/l	98
10) Methyl Iodide	4.095	142	52189	20.183	ug/l	98
11) Tert butyl alcohol	4.979	59	27617	112.798	ug/l #	84
12) 1,1-Dichloroethene	3.881	96	48954	21.106	ug/l	97
13) Acrolein	3.741	56	23979	106.954	ug/l	100
14) Allyl chloride	4.491	41	86513	20.843	ug/l	99
15) Acrylonitrile	5.180	53	78357	106.914	ug/l	98
16) Acetone	3.960	43	65104	109.995	ug/l	99
17) Carbon Disulfide	4.204	76	159865	20.844	ug/l	99
18) Methyl Acetate	4.491	43	35990	21.633	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	150801	21.548	ug/l	97
20) Methylene Chloride	4.729	84	65194	18.539	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	55013	21.112	ug/l	96
22) Diisopropyl ether	6.131	45	181329	22.508	ug/l	97
23) Vinyl Acetate	6.076	43	602358	113.673	ug/l	99
24) 1,1-Dichloroethane	6.033	63	99023	22.299	ug/l	99
25) 2-Butanone	6.996	43	103814	117.124	ug/l	97
26) 2,2-Dichloropropane	6.990	77	88425	21.898	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	61973	22.233	ug/l	100
28) Bromochloromethane	7.344	49	45610	25.514	ug/l	99
29) Tetrahydrofuran	7.356	42	69935	119.146	ug/l	98
30) Chloroform	7.515	83	100150	22.797	ug/l	97
31) Cyclohexane	7.795	56	98393	22.234	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	91897	22.594	ug/l	99
36) 1,1-Dichloropropene	7.923	75	78398	22.354	ug/l	98
37) Ethyl Acetate	7.088	43	48432	22.686	ug/l	99
38) Carbon Tetrachloride	7.905	117	84042	21.929	ug/l	96
39) Methylcyclohexane	9.185	83	99600	22.147	ug/l	97
40) Benzene	8.167	78	227236	22.547	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	25180m	22.507	ug/l	
42) 1,2-Dichloroethane	8.246	62	73761	22.624	ug/l	99
43) Isopropyl Acetate	8.283	43	90146	23.317	ug/l	99
44) Trichloroethene	8.947	130	59957	21.936	ug/l	100
45) 1,2-Dichloropropane	9.222	63	55514	22.370	ug/l	99
46) Dibromomethane	9.313	93	30644	22.435	ug/l	97
47) Bromodichloromethane	9.502	83	76552	22.297	ug/l	98
48) Methyl methacrylate	9.301	41	40507	22.530	ug/l	98
49) 1,4-Dioxane	9.313	88	8990	466.601	ug/l #	93
51) 4-Methyl-2-Pentanone	10.075	43	239820	116.847	ug/l	99
52) Toluene	10.246	92	140527	21.957	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	85613	22.291	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	93183	22.071	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	43821	22.355	ug/l	97
56) Ethyl methacrylate	10.514	69	66844	22.583	ug/l	98
57) 1,3-Dichloropropane	10.795	76	79477	22.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	157852	111.511	ug/l	99
59) 2-Hexanone	10.837	43	167638	116.535	ug/l	100
60) Dibromochloromethane	10.990	129	54225	22.650	ug/l	100
61) 1,2-Dibromoethane	11.093	107	42130	22.705	ug/l	98
64) Tetrachloroethene	10.721	164	55691	21.995	ug/l	92
65) Chlorobenzene	11.520	112	151370	22.051	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	55686	21.720	ug/l	98
67) Ethyl Benzene	11.593	91	273334	21.872	ug/l	100
68) m/p-Xylenes	11.703	106	212699	43.833	ug/l	99
69) o-Xylene	12.032	106	102404	22.182	ug/l	98
70) Styrene	12.044	104	172755	22.038	ug/l	99
71) Bromoform	12.209	173	36701	22.398	ug/l #	99
73) Isopropylbenzene	12.331	105	269655	22.045	ug/l	99
74) N-amyl acetate	12.148	43	83149	22.327	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	52044	22.285	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	39258m	22.493	ug/l	
77) Bromobenzene	12.611	156	65311	21.804	ug/l	97
78) n-propylbenzene	12.672	91	325965	22.088	ug/l	99
79) 2-Chlorotoluene	12.758	91	181299	21.871	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	228489	22.364	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	19201	21.361	ug/l	97
82) 4-Chlorotoluene	12.855	91	188622	21.985	ug/l	100
83) tert-Butylbenzene	13.081	119	200085	21.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	226362	22.089	ug/l	99
85) sec-Butylbenzene	13.258	105	292009	22.246	ug/l	99
86) p-Isopropyltoluene	13.373	119	250633	22.176	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	130942	22.289	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	130143	22.358	ug/l	99
89) n-Butylbenzene	13.703	91	230194	22.190	ug/l	99
90) Hexachloroethane	13.965	117	45980	22.633	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	115718	22.058	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10123	22.352	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	81181	22.428	ug/l	99
94) Hexachlorobutadiene	15.117	225	51945	22.644	ug/l	99
95) Naphthalene	15.239	128	159616	21.922	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	71975	22.061	ug/l	98

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

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