

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082621\
 Data File : VY005852.D
 Acq On : 26 Aug 2021 11:50
 Operator : SY/MD
 Sample : VY0826SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2021 4:45:37 PM

Quant Time: Aug 27 03:24:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	202758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	291379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	271083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	98165	47.829	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.660%
35) Dibromofluoromethane	7.722	113	82054	50.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.600%
50) Toluene-d8	10.185	98	324211	47.387	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.780%
62) 4-Bromofluorobenzene	12.483	95	113201	49.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	38539	23.142	ug/l	96
3) Chloromethane	2.119	50	44976	22.609	ug/l	98
4) Vinyl Chloride	2.259	62	57687	24.211	ug/l	99
5) Bromomethane	2.650	94	37963	24.206	ug/l	99
6) Chloroethane	2.796	64	33570	23.341	ug/l	100
7) Trichlorofluoromethane	3.131	101	70413	22.072	ug/l	100
8) Diethyl Ether	3.534	74	23421	21.020	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	38680	22.353	ug/l	100
10) Methyl Iodide	4.101	142	40840	18.944	ug/l	99
11) Tert butyl alcohol	4.954	59	38992	192.178	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	37694	21.572	ug/l	97
13) Acrolein	3.741	56	7837	64.020	ug/l	91
14) Allyl chloride	4.491	41	65167	21.293	ug/l	100
15) Acrylonitrile	5.174	53	61292	107.336	ug/l	99
16) Acetone	3.954	43	60386	116.696	ug/l	99
17) Carbon Disulfide	4.198	76	106005	19.680	ug/l	100
18) Methyl Acetate	4.491	43	29168	21.552	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	114656	21.181	ug/l	98
20) Methylene Chloride	4.722	84	49294	20.449	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	41211	21.095	ug/l	96
22) Diisopropyl ether	6.131	45	137527	21.782	ug/l	99
23) Vinyl Acetate	6.070	43	442585	105.331	ug/l	99
24) 1,1-Dichloroethane	6.027	63	76876	21.971	ug/l	99
25) 2-Butanone	6.996	43	82722	108.145	ug/l	94
26) 2,2-Dichloropropane	6.996	77	72715	22.746	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	47553	21.402	ug/l	96
28) Bromochloromethane	7.338	49	36621	26.222	ug/l	97
29) Tetrahydrofuran	7.356	42	52663	104.092	ug/l	99
30) Chloroform	7.515	83	78746	22.049	ug/l	99
31) Cyclohexane	7.789	56	72799	20.679	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	72841	22.188	ug/l	99
36) 1,1-Dichloropropene	7.923	75	59394	21.733	ug/l	100
37) Ethyl Acetate	7.082	43	37257	22.503	ug/l	98
38) Carbon Tetrachloride	7.911	117	67711	22.796	ug/l	98
39) Methylcyclohexane	9.185	83	74187	21.337	ug/l	99
40) Benzene	8.167	78	172012	21.979	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	20625	22.959	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	56798	22.374	ug/l	99
43) Isopropyl Acetate	8.283	43	67442	21.516	ug/l	100
44) Trichloroethene	8.941	130	47531	22.253	ug/l	97
45) 1,2-Dichloropropane	9.222	63	43619	22.278	ug/l	96
46) Dibromomethane	9.307	93	24077	22.240	ug/l	98
47) Bromodichloromethane	9.502	83	59960	22.130	ug/l	96
48) Methyl methacrylate	9.301	41	29948	21.141	ug/l	98
49) 1,4-Dioxane	9.307	88	6603	438.864	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	180929	109.604	ug/l	100
52) Toluene	10.246	92	110877	22.219	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	65070	21.490	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	71892	21.878	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	34731	22.173	ug/l	95
56) Ethyl methacrylate	10.514	69	49967	21.304	ug/l	99
57) 1,3-Dichloropropane	10.794	76	61349	22.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	127431	113.705	ug/l	99
59) 2-Hexanone	10.837	43	124074	106.343	ug/l	100
60) Dibromochloromethane	10.990	129	43942	22.668	ug/l	97
61) 1,2-Dibromoethane	11.093	107	32015	21.577	ug/l	98
64) Tetrachloroethene	10.721	164	47948	23.237	ug/l	97
65) Chlorobenzene	11.514	112	120775	22.140	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	45508	22.165	ug/l	98
67) Ethyl Benzene	11.593	91	214633	21.698	ug/l	100
68) m/p-Xylenes	11.703	106	167064	43.484	ug/l	99
69) o-Xylene	12.032	106	78997	21.393	ug/l	100
70) Styrene	12.044	104	134139	21.581	ug/l	99
71) Bromoform	12.209	173	29482	22.143	ug/l #	100
73) Isopropylbenzene	12.331	105	214339	21.084	ug/l	99
74) N-amyl acetate	12.142	43	60177	19.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	41168	21.054	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	27213m	18.031	ug/l	
77) Bromobenzene	12.611	156	51369	20.567	ug/l	98
78) n-propylbenzene	12.672	91	257054	21.289	ug/l	99
79) 2-Chlorotoluene	12.758	91	143776	21.206	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	178784	21.191	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15080	20.142	ug/l	98
82) 4-Chlorotoluene	12.855	91	147899	21.083	ug/l	98
83) tert-Butylbenzene	13.075	119	158079	20.881	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	177285	21.296	ug/l	100
85) sec-Butylbenzene	13.251	105	233250	21.361	ug/l	99
86) p-Isopropyltoluene	13.367	119	200087	21.343	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	105098	21.565	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	103102	21.325	ug/l	98
89) n-Butylbenzene	13.696	91	182562	21.495	ug/l	99
90) Hexachloroethane	13.959	117	36525	21.670	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	91012	21.142	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7388	19.931	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	61314	20.735	ug/l	99
94) Hexachlorobutadiene	15.111	225	40408	21.104	ug/l	99
95) Naphthalene	15.239	128	112949	19.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	54124	20.660	ug/l	99

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

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