

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081621\
 Data File : VY005689.D
 Acq On : 17 Aug 2021 00:02
 Operator : SY/MD
 Sample : VY0816SBS02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0816SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2021 7:23:44 PM

Quant Time: Aug 17 05:22:57 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	218057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	294157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	125962	57.067	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.140%	
35) Dibromofluoromethane	7.722	113	101008	61.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.660%	
50) Toluene-d8	10.185	98	359883	52.104	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.200%	
62) 4-Bromofluorobenzene	12.483	95	123530	54.008	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	41570	23.211	ug/l	99
3) Chloromethane	2.113	50	48858	22.838	ug/l	100
4) Vinyl Chloride	2.253	62	61098	23.843	ug/l	96
5) Bromomethane	2.650	94	41451	24.575	ug/l	100
6) Chloroethane	2.796	64	39215	25.353	ug/l	96
7) Trichlorofluoromethane	3.131	101	78462	22.869	ug/l	99
8) Diethyl Ether	3.534	74	29795	24.865	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	43865	23.571	ug/l	98
10) Methyl Iodide	4.101	142	53637	23.134	ug/l	99
11) Tert butyl alcohol	4.979	59	27189	124.603	ug/l	100
12) 1,1-Dichloroethene	3.881	96	44706	23.790	ug/l	92
13) Acrolein	3.741	56	11157	84.746	ug/l	99
14) Allyl chloride	4.491	41	80763	24.537	ug/l	100
15) Acrylonitrile	5.174	53	79678	129.745	ug/l	99
16) Acetone	3.954	43	61069	109.736	ug/l	97
17) Carbon Disulfide	4.204	76	135837	23.449	ug/l	99
18) Methyl Acetate	4.491	43	40772	28.013	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	143269	24.610	ug/l	98
20) Methylene Chloride	4.723	84	74107	31.332	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	49452	23.537	ug/l	96
22) Diisopropyl ether	6.125	45	176541	25.999	ug/l	97
23) Vinyl Acetate	6.070	43	564022	124.814	ug/l	100
24) 1,1-Dichloroethane	6.027	63	95100	25.272	ug/l	100
25) 2-Butanone	6.997	43	101338	123.188	ug/l	100
26) 2,2-Dichloropropane	6.990	77	71835	20.894	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	57753	24.169	ug/l	98
28) Bromochloromethane	7.344	49	41364	27.540	ug/l	95
29) Tetrahydrofuran	7.356	42	69885	128.441	ug/l	97
30) Chloroform	7.515	83	94349	24.565	ug/l	97
31) Cyclohexane	7.789	56	86848	22.939	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	83782	23.730	ug/l	99
36) 1,1-Dichloropropene	7.923	75	72291	26.202	ug/l	99
37) Ethyl Acetate	7.082	43	46778	27.987	ug/l	99
38) Carbon Tetrachloride	7.905	117	76165	25.400	ug/l	98
39) Methylcyclohexane	9.185	83	75119	21.401	ug/l	98
40) Benzene	8.167	78	209769	26.551	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	22123m	24.394	ug/l	
42) 1,2-Dichloroethane	8.240	62	64690	25.242	ug/l	99
43) Isopropyl Acetate	8.277	43	77922	24.624	ug/l	99
44) Trichloroethene	8.941	130	48339	22.417	ug/l	97
45) 1,2-Dichloropropane	9.222	63	46490	23.520	ug/l	99
46) Dibromomethane	9.307	93	25680	23.497	ug/l	97
47) Bromodichloromethane	9.502	83	63729	23.299	ug/l	99
48) Methyl methacrylate	9.295	41	34265	23.960	ug/l	96
49) 1,4-Dioxane	9.307	88	7049	464.083	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	209906	125.957	ug/l	99
52) Toluene	10.246	92	114162	22.661	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	69049	22.588	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	75224	22.675	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	36236	22.915	ug/l	95
56) Ethyl methacrylate	10.514	69	55590	23.477	ug/l	95
57) 1,3-Dichloropropane	10.795	76	66459	23.833	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	122768	108.510	ug/l	99
59) 2-Hexanone	10.837	43	146091	124.031	ug/l	98
60) Dibromochloromethane	10.984	129	46046	23.529	ug/l	99
61) 1,2-Dibromoethane	11.093	107	34531	23.052	ug/l	100
64) Tetrachloroethene	10.721	164	48739	23.571	ug/l	97
65) Chlorobenzene	11.520	112	123881	22.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	46946	22.817	ug/l	99
67) Ethyl Benzene	11.593	91	219815	22.175	ug/l	98
68) m/p-Xylenes	11.703	106	173774	45.135	ug/l	99
69) o-Xylene	12.032	106	82374	22.260	ug/l	99
70) Styrene	12.044	104	140291	22.523	ug/l	99
71) Bromoform	12.209	173	31075	23.290	ug/l #	99
73) Isopropylbenzene	12.331	105	220217	21.870	ug/l	99
74) N-amyl acetate	12.142	43	70428	23.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	44040	22.740	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	29745m	19.898	ug/l	
77) Bromobenzene	12.611	156	54386	21.984	ug/l	97
78) n-propylbenzene	12.672	91	261179	21.839	ug/l	100
79) 2-Chlorotoluene	12.758	91	147198	21.919	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	182315	21.817	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15621	21.065	ug/l	97
82) 4-Chlorotoluene	12.855	91	156027	22.455	ug/l	100
83) tert-Butylbenzene	13.075	119	162219	21.634	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	183122	22.209	ug/l	100
85) sec-Butylbenzene	13.251	105	236382	21.856	ug/l	100
86) p-Isopropyltoluene	13.367	119	201864	21.739	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	107758	22.323	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	105983	22.132	ug/l	97
89) n-Butylbenzene	13.697	91	182793	21.729	ug/l	99
90) Hexachloroethane	13.959	117	37062	22.200	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	95800	22.468	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8257	22.490	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	66008	22.537	ug/l	99
94) Hexachlorobutadiene	15.111	225	41071	21.657	ug/l	100
95) Naphthalene	15.233	128	133523	23.126	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	59571	22.958	ug/l	98

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

