

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090821\
 Data File : VY005959.D
 Acq On : 08 Sep 2021 12:14
 Operator : SY/MD
 Sample : VY0908SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0908SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:49:41 AM

Quant Time: Sep 09 04:52:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	245967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	349800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	177145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	111211	44.867	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.740%		
35) Dibromofluoromethane	7.722	113	100745	51.284	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.560%		
50) Toluene-d8	10.185	98	409366	49.653	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.483	95	143453	51.819	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49061	22.339	ug/l	98
3) Chloromethane	2.119	50	46721	20.086	ug/l	99
4) Vinyl Chloride	2.259	62	59103	19.548	ug/l	99
5) Bromomethane	2.643	94	42768	20.966	ug/l	94
6) Chloroethane	2.796	64	32659	18.065	ug/l	98
7) Trichlorofluoromethane	3.131	101	76313	19.760	ug/l	98
8) Diethyl Ether	3.534	74	25907	19.706	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	44046	21.180	ug/l	99
10) Methyl Iodide	4.101	142	47743	18.268	ug/l	97
11) Tert butyl alcohol	4.948	59	62331	127.881	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	43012	20.371	ug/l	86
13) Acrolein	3.741	56	10240	108.141	ug/l	99
14) Allyl chloride	4.485	41	66697	18.783	ug/l	96
15) Acrylonitrile	5.167	53	64865	97.564	ug/l	100
16) Acetone	3.960	43	55975	88.565	ug/l	95
17) Carbon Disulfide	4.204	76	133877	19.851	ug/l	98
18) Methyl Acetate	4.485	43	32313	18.415	ug/l	96
19) Methyl tert-butyl Ether	5.234	73	126566	19.967	ug/l	98
20) Methylene Chloride	4.722	84	54162	19.345	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	48141	20.435	ug/l	96
22) Diisopropyl ether	6.131	45	140359	19.454	ug/l	99
23) Vinyl Acetate	6.070	43	421856	96.352	ug/l	97
24) 1,1-Dichloroethane	6.027	63	81562	19.818	ug/l	98
25) 2-Butanone	6.996	43	83737	93.785	ug/l	99
26) 2,2-Dichloropropane	6.984	77	74148	19.257	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	54642	20.641	ug/l	96
28) Bromochloromethane	7.338	49	31473	18.551	ug/l	93
29) Tetrahydrofuran	7.350	42	55352	95.679	ug/l	97
30) Chloroform	7.515	83	84462	20.000	ug/l	100
31) Cyclohexane	7.789	56	79103	18.921	ug/l #	91
32) 1,1,1-Trichloroethane	7.710	97	80244	20.407	ug/l	97
36) 1,1-Dichloropropene	7.923	75	66851	20.298	ug/l	98
37) Ethyl Acetate	7.082	43	38471	19.505	ug/l	98
38) Carbon Tetrachloride	7.905	117	73455	20.577	ug/l	97
39) Methylcyclohexane	9.185	83	84772	20.322	ug/l	97
40) Benzene	8.167	78	192309	20.668	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	25425m	23.148	ug/l	
42) 1,2-Dichloroethane	8.240	62	58305	19.291	ug/l	98
43) Isopropyl Acetate	8.283	43	69258	19.332	ug/l	97
44) Trichloroethene	8.947	130	54910	21.043	ug/l	96
45) 1,2-Dichloropropane	9.222	63	45860	20.087	ug/l	99
46) Dibromomethane	9.307	93	27409	20.861	ug/l	95
47) Bromodichloromethane	9.502	83	66275	20.756	ug/l	98
48) Methyl methacrylate	9.295	41	31661	19.228	ug/l	94
49) 1,4-Dioxane	9.301	88	7380	407.852	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	189497	98.171	ug/l	97
52) Toluene	10.246	92	123846	20.652	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	73016	20.623	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	80086	20.616	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	40936	21.753	ug/l	98
56) Ethyl methacrylate	10.514	69	56088	20.590	ug/l	93
57) 1,3-Dichloropropane	10.794	76	68837	21.099	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	141701	100.781	ug/l	98
59) 2-Hexanone	10.837	43	132894	98.547	ug/l	97
60) Dibromochloromethane	10.990	129	50545	21.877	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39567	22.072	ug/l	100
64) Tetrachloroethene	10.721	164	56744	20.950	ug/l	98
65) Chlorobenzene	11.520	112	136786	20.608	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	52073	20.957	ug/l	98
67) Ethyl Benzene	11.593	91	239550	20.189	ug/l	99
68) m/p-Xylenes	11.703	106	190708	40.759	ug/l	99
69) o-Xylene	12.032	106	89990	20.486	ug/l	98
70) Styrene	12.044	104	152543	20.358	ug/l	99
71) Bromoform	12.209	173	36076	22.022	ug/l #	98
73) Isopropylbenzene	12.331	105	237871	20.146	ug/l	100
74) N-amyl acetate	12.148	43	64041	18.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	46619	20.747	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	31729m	19.137	ug/l	
77) Bromobenzene	12.611	156	63334	21.296	ug/l	96
78) n-propylbenzene	12.672	91	288603	20.452	ug/l	99
79) 2-Chlorotoluene	12.757	91	160845	20.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	201973	20.417	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	17581	20.166	ug/l	96
82) 4-Chlorotoluene	12.855	91	168802	20.481	ug/l	99
83) tert-Butylbenzene	13.075	119	176668	20.432	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	200698	20.453	ug/l	100
85) sec-Butylbenzene	13.251	105	260383	20.432	ug/l	100
86) p-Isopropyltoluene	13.367	119	225612	20.431	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	121164	20.939	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	120601	20.865	ug/l	98
89) n-Butylbenzene	13.696	91	200297	20.273	ug/l	99
90) Hexachloroethane	13.958	117	41906	20.911	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	108661	21.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8612	20.435	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	75084	21.679	ug/l	98
94) Hexachlorobutadiene	15.111	225	48349	21.671	ug/l	99
95) Naphthalene	15.239	128	140258	21.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	65840	21.774	ug/l	99

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

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