

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091421\
 Data File : VY006006.D
 Acq On : 14 Sep 2021 14:34
 Operator : SY/MD
 Sample : VY0914SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2021 5:41:18 PM

Quant Time: Sep 15 05:13:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	141272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	207617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	96546	49.199	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.400%		
35) Dibromofluoromethane	7.728	113	66035	47.530	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.060%		
50) Toluene-d8	10.185	98	285134	48.153	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.300%		
62) 4-Bromofluorobenzene	12.483	95	96946	48.222	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30072	20.150	ug/l	99
3) Chloromethane	2.119	50	37944	20.446	ug/l	99
4) Vinyl Chloride	2.260	62	41640	19.873	ug/l	98
5) Bromomethane	2.644	94	29073	21.387	ug/l	95
6) Chloroethane	2.796	64	25242	20.088	ug/l	98
7) Trichlorofluoromethane	3.131	101	53776	19.687	ug/l	95
8) Diethyl Ether	3.534	74	18537	20.644	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	26858	19.695	ug/l	100
10) Methyl Iodide	4.107	142	25652	17.768	ug/l	98
11) Tert butyl alcohol	4.942	59	49491	146.128	ug/l #	77
12) 1,1-Dichloroethene	3.881	96	27663	19.611	ug/l	98
13) Acrolein	3.735	56	11940	101.262	ug/l	100
14) Allyl chloride	4.485	41	59933	19.905	ug/l	99
15) Acrylonitrile	5.174	53	54415	106.387	ug/l	100
16) Acetone	3.954	43	50371	93.586	ug/l	98
17) Carbon Disulfide	4.204	76	93521	19.852	ug/l	98
18) Methyl Acetate	4.491	43	28356	20.915	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	92390	20.316	ug/l	98
20) Methylene Chloride	4.723	84	39319	20.689	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	31646	20.007	ug/l	98
22) Diisopropyl ether	6.131	45	119876	20.488	ug/l	96
23) Vinyl Acetate	6.070	43	383793	103.956	ug/l	100
24) 1,1-Dichloroethane	6.027	63	59955	20.000	ug/l	99
25) 2-Butanone	6.997	43	75871	102.275	ug/l	99
26) 2,2-Dichloropropane	6.990	77	55470	19.533	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	35489	20.111	ug/l	98
28) Bromochloromethane	7.344	49	25095	19.057	ug/l	97
29) Tetrahydrofuran	7.356	42	49977	107.191	ug/l	100
30) Chloroform	7.515	83	60395	20.094	ug/l	100
31) Cyclohexane	7.789	56	62298	19.818	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	56435	19.998	ug/l	100
36) 1,1-Dichloropropene	7.923	75	47068	19.496	ug/l	98
37) Ethyl Acetate	7.082	43	33540	20.110	ug/l	99
38) Carbon Tetrachloride	7.905	117	50883	19.360	ug/l	89
39) Methylcyclohexane	9.185	83	57657	19.268	ug/l	99
40) Benzene	8.167	78	133150	19.232	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	19857m	20.385	ug/l	
42) 1,2-Dichloroethane	8.240	62	48950	19.993	ug/l	100
43) Isopropyl Acetate	8.277	43	63362	20.396	ug/l	100
44) Trichloroethene	8.941	130	33055	19.159	ug/l	90
45) 1,2-Dichloropropane	9.222	63	33773	19.719	ug/l	97
46) Dibromomethane	9.313	93	18227	19.662	ug/l	98
47) Bromodichloromethane	9.502	83	47412	19.870	ug/l	99
48) Methyl methacrylate	9.295	41	29437	20.507	ug/l	98
49) 1,4-Dioxane	9.307	88	5264	411.464	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	169357	102.259	ug/l	99
52) Toluene	10.246	92	82953	19.444	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	52860	20.168	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	55029	19.466	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	25843	20.287	ug/l	98
56) Ethyl methacrylate	10.514	69	40747	20.009	ug/l	99
57) 1,3-Dichloropropane	10.789	76	47088	20.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	105539	98.998	ug/l	98
59) 2-Hexanone	10.837	43	118723	103.838	ug/l	100
60) Dibromochloromethane	10.990	129	31399	19.992	ug/l	100
61) 1,2-Dibromoethane	11.093	107	23876	19.844	ug/l	97
64) Tetrachloroethene	10.721	164	32800	19.316	ug/l	97
65) Chlorobenzene	11.520	112	85918	19.340	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	32058	19.361	ug/l	99
67) Ethyl Benzene	11.593	91	161652	19.143	ug/l	100
68) m/p-Xylenes	11.703	106	122466	38.247	ug/l	99
69) o-Xylene	12.032	106	58045	19.193	ug/l	97
70) Styrene	12.044	104	100586	19.415	ug/l	99
71) Bromoform	12.209	173	20923	20.181	ug/l #	98
73) Isopropylbenzene	12.331	105	157221	18.841	ug/l	99
74) N-amyl acetate	12.148	43	57258	19.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	30398	19.579	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22193m	19.533	ug/l	
77) Bromobenzene	12.611	156	36647	18.821	ug/l	99
78) n-propylbenzene	12.672	91	196296	19.012	ug/l	99
79) 2-Chlorotoluene	12.758	91	108690	19.362	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	132270	19.112	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	11519	18.640	ug/l	97
82) 4-Chlorotoluene	12.855	91	113840	19.619	ug/l	99
83) tert-Butylbenzene	13.075	119	113199	19.124	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	132370	19.279	ug/l	99
85) sec-Butylbenzene	13.252	105	170186	19.207	ug/l	100
86) p-Isopropyltoluene	13.367	119	143108	18.918	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	72706	19.362	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	72551	19.262	ug/l	98
89) n-Butylbenzene	13.697	91	138311	19.552	ug/l	100
90) Hexachloroethane	13.959	117	26024	19.116	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	64647	19.611	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6562	21.304	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	42251	19.737	ug/l	99
94) Hexachlorobutadiene	15.111	225	26549	19.169	ug/l	98
95) Naphthalene	15.239	128	86132	20.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	37506	20.218	ug/l	98

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

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