

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081621\
 Data File : VY005659.D
 Acq On : 16 Aug 2021 10:54
 Operator : SY/MD
 Sample : VY0816SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0816SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2021 7:23:36 PM

Quant Time: Aug 17 05:17:07 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	214989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	307245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	282646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	104723	48.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.240%		
35) Dibromofluoromethane	7.722	113	85988	49.987	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.980%		
50) Toluene-d8	10.185	98	352216	48.821	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.483	95	118331	49.531	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	40440	22.902	ug/l	94
3) Chloromethane	2.119	50	41958	19.892	ug/l	97
4) Vinyl Chloride	2.259	62	53008	20.981	ug/l	99
5) Bromomethane	2.650	94	34958	21.022	ug/l	100
6) Chloroethane	2.796	64	33255	21.807	ug/l	95
7) Trichlorofluoromethane	3.131	101	74854	22.129	ug/l	95
8) Diethyl Ether	3.534	74	23406	19.812	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	40500	22.073	ug/l	99
10) Methyl Iodide	4.100	142	46683	20.422	ug/l	99
11) Tert butyl alcohol	4.978	59	19108	88.819	ug/l	98
12) 1,1-Dichloroethene	3.881	96	39487	21.312	ug/l	98
13) Acrolein	3.741	56	9623	74.137	ug/l	99
14) Allyl chloride	4.485	41	71101	21.910	ug/l	99
15) Acrylonitrile	5.173	53	58600	96.784	ug/l	99
16) Acetone	3.954	43	57195	104.241	ug/l	99
17) Carbon Disulfide	4.198	76	119815	20.978	ug/l	97
18) Methyl Acetate	4.485	43	28124	19.599	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	114294	19.913	ug/l	99
20) Methylene Chloride	4.722	84	50420	19.482	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	43605	21.051	ug/l	98
22) Diisopropyl ether	6.125	45	147101	21.973	ug/l	99
23) Vinyl Acetate	6.070	43	457321	102.646	ug/l	100
24) 1,1-Dichloroethane	6.027	63	80592	21.722	ug/l	100
25) 2-Butanone	6.996	43	80159	98.833	ug/l	98
26) 2,2-Dichloropropane	6.984	77	76182	22.474	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	49156	20.865	ug/l	97
28) Bromochloromethane	7.338	49	34507	23.303	ug/l	95
29) Tetrahydrofuran	7.356	42	50286	93.739	ug/l	98
30) Chloroform	7.515	83	82691	21.837	ug/l	98
31) Cyclohexane	7.789	56	79580	21.319	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	77220	22.183	ug/l	99
36) 1,1-Dichloropropene	7.923	75	63103	21.898	ug/l	100
37) Ethyl Acetate	7.082	43	33589	19.240	ug/l	98
38) Carbon Tetrachloride	7.905	117	69848	22.301	ug/l	97
39) Methylcyclohexane	9.185	83	79652	21.725	ug/l	96
40) Benzene	8.161	78	180725	21.900	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	20689m	21.841	ug/l	
42) 1,2-Dichloroethane	8.240	62	58283	21.774	ug/l	100
43) Isopropyl Acetate	8.277	43	66948	20.255	ug/l	99
44) Trichloroethene	8.947	130	49655	22.047	ug/l	97
45) 1,2-Dichloropropane	9.222	63	44666	21.635	ug/l	99
46) Dibromomethane	9.307	93	23900	20.937	ug/l	98
47) Bromodichloromethane	9.502	83	62440	21.855	ug/l	99
48) Methyl methacrylate	9.295	41	29537	19.774	ug/l	98
49) 1,4-Dioxane	9.301	88	6286	396.220	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	173030	99.406	ug/l	99
52) Toluene	10.246	92	115753	21.998	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	67020	20.991	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	74407	21.474	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	34515	20.897	ug/l	96
56) Ethyl methacrylate	10.514	69	49176	19.884	ug/l	97
57) 1,3-Dichloropropane	10.794	76	60404	20.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	115303	97.570	ug/l	99
59) 2-Hexanone	10.837	43	123429	100.327	ug/l	99
60) Dibromochloromethane	10.983	129	43037	21.055	ug/l	100
61) 1,2-Dibromoethane	11.093	107	32138	20.541	ug/l	99
64) Tetrachloroethene	10.721	164	49706	23.103	ug/l	98
65) Chlorobenzene	11.520	112	122730	21.578	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	46314	21.635	ug/l	98
67) Ethyl Benzene	11.593	91	222700	21.593	ug/l	97
68) m/p-Xylenes	11.703	106	174859	43.651	ug/l	99
69) o-Xylene	12.032	106	82591	21.451	ug/l	100
70) Styrene	12.044	104	138712	21.403	ug/l	99
71) Bromoform	12.209	173	28684	20.662	ug/l #	99
73) Isopropylbenzene	12.331	105	223871	21.409	ug/l	100
74) N-amyl acetate	12.142	43	61810	19.636	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	39030	19.406	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	27421m	17.663	ug/l	
77) Bromobenzene	12.611	156	53494	20.822	ug/l	98
78) n-propylbenzene	12.672	91	269611	21.709	ug/l	99
79) 2-Chlorotoluene	12.757	91	148390	21.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	187492	21.605	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	15029	19.516	ug/l	98
82) 4-Chlorotoluene	12.855	91	153724	21.304	ug/l	99
83) tert-Butylbenzene	13.074	119	164225	21.089	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	183889	21.475	ug/l	98
85) sec-Butylbenzene	13.257	105	245175	21.829	ug/l	99
86) p-Isopropyltoluene	13.367	119	209802	21.757	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	106988	21.342	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	108391	21.796	ug/l	100
89) n-Butylbenzene	13.696	91	193637	22.165	ug/l	99
90) Hexachloroethane	13.958	117	37159	21.433	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	94449	21.330	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6864	18.003	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	65832	21.643	ug/l	100
94) Hexachlorobutadiene	15.111	225	44450	22.570	ug/l	100
95) Naphthalene	15.239	128	115893	19.329	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	56297	20.892	ug/l	98

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

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