

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081221\
 Data File : VY005612.D
 Acq On : 12 Aug 2021 11:14
 Operator : SY/MD
 Sample : VY0812SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0812SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 5:44:11 PM

Quant Time: Aug 13 04:19:36 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	243405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	354932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	324828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122934	49.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.780%
35) Dibromofluoromethane	7.722	113	99064	49.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.185	98	400842	48.097	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.483	95	137047	49.658	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48407	24.214	ug/l	97
3) Chloromethane	2.119	50	52129	21.829	ug/l	100
4) Vinyl Chloride	2.253	62	63706	22.272	ug/l	97
5) Bromomethane	2.644	94	41655	22.125	ug/l	99
6) Chloroethane	2.796	64	41097	23.803	ug/l	98
7) Trichlorofluoromethane	3.131	101	89374	23.337	ug/l	100
8) Diethyl Ether	3.534	74	30918	23.115	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	50041	24.089	ug/l	99
10) Methyl Iodide	4.101	142	63141	24.398	ug/l	98
11) Tert butyl alcohol	4.960	59	30109	123.615	ug/l	98
12) 1,1-Dichloroethene	3.875	96	48976	23.348	ug/l	94
13) Acrolein	3.735	56	14355	97.682	ug/l	97
14) Allyl chloride	4.491	41	89156	24.267	ug/l	99
15) Acrylonitrile	5.168	53	81075	118.271	ug/l	99
16) Acetone	3.954	43	76213	122.687	ug/l	96
17) Carbon Disulfide	4.198	76	152622	23.603	ug/l	99
18) Methyl Acetate	4.485	43	37965	23.368	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	151977	23.387	ug/l	98
20) Methylene Chloride	4.729	84	72632	26.668	ug/l	95
21) trans-1,2-Dichloroethene	5.229	96	54482	23.231	ug/l	97
22) Diisopropyl ether	6.131	45	186008	24.541	ug/l	99
23) Vinyl Acetate	6.070	43	604710	119.883	ug/l	100
24) 1,1-Dichloroethane	6.021	63	101232	24.100	ug/l	99
25) 2-Butanone	6.990	43	98860	107.660	ug/l	98
26) 2,2-Dichloropropane	6.990	77	83307	21.707	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	55087	20.652	ug/l	96
28) Bromochloromethane	7.344	49	40179	23.966	ug/l	96
29) Tetrahydrofuran	7.356	42	62404	102.748	ug/l	98
30) Chloroform	7.515	83	90602	21.133	ug/l	96
31) Cyclohexane	7.789	56	89004	21.060	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	83291	21.134	ug/l	99
36) 1,1-Dichloropropene	7.923	75	70468	21.168	ug/l	98
37) Ethyl Acetate	7.082	43	42009	20.830	ug/l	98
38) Carbon Tetrachloride	7.905	117	77432	21.401	ug/l	97
39) Methylcyclohexane	9.185	83	87911	20.757	ug/l	96
40) Benzene	8.167	78	198178	20.789	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	24715m	22.586	ug/l	
42) 1,2-Dichloroethane	8.240	62	65412	21.154	ug/l	100
43) Isopropyl Acetate	8.277	43	81350	21.306	ug/l	98
44) Trichloroethene	8.941	130	54032	20.767	ug/l	100
45) 1,2-Dichloropropane	9.222	63	50637	21.232	ug/l	100
46) Dibromomethane	9.313	93	27969	21.209	ug/l	96
47) Bromodichloromethane	9.502	83	69267	20.988	ug/l	97
48) Methyl methacrylate	9.301	41	36429	21.111	ug/l	96
49) 1,4-Dioxane	9.307	88	7458	406.934	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	213346	106.100	ug/l	99
52) Toluene	10.246	92	125881	20.709	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	76114	20.636	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	84906	21.211	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	39221	20.556	ug/l	97
56) Ethyl methacrylate	10.514	69	59725	20.904	ug/l	99
57) 1,3-Dichloropropane	10.795	76	70841	21.054	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	139550	102.223	ug/l	99
59) 2-Hexanone	10.837	43	152043	106.981	ug/l	100
60) Dibromochloromethane	10.990	129	48888	20.704	ug/l	99
61) 1,2-Dibromoethane	11.093	107	37531	20.765	ug/l	99
64) Tetrachloroethene	10.721	164	52939	21.411	ug/l	97
65) Chlorobenzene	11.520	112	132927	20.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	50549	20.547	ug/l	99
67) Ethyl Benzene	11.593	91	243272	20.524	ug/l	99
68) m/p-Xylenes	11.703	106	191422	41.580	ug/l	99
69) o-Xylene	12.032	106	90760	20.512	ug/l	99
70) Styrene	12.044	104	153015	20.544	ug/l	99
71) Bromoform	12.209	173	32942	20.648	ug/l #	100
73) Isopropylbenzene	12.331	105	242516	20.101	ug/l	100
74) N-amyl acetate	12.148	43	75543	20.801	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	46637	20.098	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	39240m	21.908	ug/l	
77) Bromobenzene	12.611	156	58663	19.791	ug/l	95
78) n-propylbenzene	12.672	91	294739	20.569	ug/l	99
79) 2-Chlorotoluene	12.758	91	162620	20.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	204190	20.393	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17245	19.409	ug/l	99
82) 4-Chlorotoluene	12.855	91	171037	20.544	ug/l	100
83) tert-Butylbenzene	13.075	119	178277	19.843	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	203078	20.555	ug/l	100
85) sec-Butylbenzene	13.258	105	267976	20.679	ug/l	100
86) p-Isopropyltoluene	13.367	119	228109	20.503	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	117297	20.281	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	116592	20.321	ug/l	98
89) n-Butylbenzene	13.697	91	210652	20.899	ug/l	99
90) Hexachloroethane	13.959	117	40668	20.331	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	104397	20.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8852	20.123	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	73742	21.013	ug/l	99
94) Hexachlorobutadiene	15.111	225	48041	21.142	ug/l	99
95) Naphthalene	15.233	128	140372	20.291	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	65452	21.052	ug/l	99

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

