

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005909.D
 Acq On : 31 Aug 2021 14:01
 Operator : SY/MD
 Sample : VY0831SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0831SBS01

Manual Integrations
 APPROVED

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 9/1/2021 6:41:46 PM

Quant Time: Sep 01 05:36:45 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	276481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	402229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	195891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	135018	48.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.920%
35) Dibromofluoromethane	7.728	113	111820	49.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.000%
50) Toluene-d8	10.185	98	472012	49.789	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.483	95	157252	49.399	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	60352	24.447	ug/l	100
3) Chloromethane	2.119	50	63052	24.115	ug/l	99
4) Vinyl Chloride	2.259	62	80494	23.685	ug/l	99
5) Bromomethane	2.643	94	52236	22.781	ug/l	94
6) Chloroethane	2.796	64	44091	21.697	ug/l	98
7) Trichlorofluoromethane	3.131	101	94919	21.865	ug/l	99
8) Diethyl Ether	3.540	74	30582	20.695	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	51227	21.915	ug/l	99
10) Methyl Iodide	4.107	142	59065	20.106	ug/l	99
11) Tert butyl alcohol	4.948	59	83781	152.918	ug/l #	92
12) 1,1-Dichloroethene	3.881	96	50591	21.316	ug/l	98
13) Acrolein	3.735	56	13151	129.836	ug/l	98
14) Allyl chloride	4.491	41	85780	21.491	ug/l	99
15) Acrylonitrile	5.173	53	75207	100.635	ug/l	97
16) Acetone	3.954	43	69398	97.685	ug/l	98
17) Carbon Disulfide	4.204	76	165378	21.816	ug/l	99
18) Methyl Acetate	4.485	43	37272	18.896	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	149906	21.039	ug/l	98
20) Methylene Chloride	4.728	84	67157	21.924	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	56039	21.162	ug/l	99
22) Diisopropyl ether	6.125	45	173180	21.354	ug/l	97
23) Vinyl Acetate	6.070	43	513239	104.286	ug/l	99
24) 1,1-Dichloroethane	6.027	63	99195	21.443	ug/l	99
25) 2-Butanone	6.996	43	96529	96.180	ug/l	99
26) 2,2-Dichloropropane	6.990	77	92882	21.460	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	62894	21.136	ug/l	99
28) Bromochloromethane	7.344	49	37472	19.649	ug/l	98
29) Tetrahydrofuran	7.356	42	62517	96.137	ug/l	100
30) Chloroform	7.515	83	101559	21.394	ug/l	98
31) Cyclohexane	7.789	56	99358	21.143	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	93220	21.091	ug/l	100
36) 1,1-Dichloropropene	7.923	75	80892	21.360	ug/l	99
37) Ethyl Acetate	7.082	43	44474	19.609	ug/l	98
38) Carbon Tetrachloride	7.905	117	88026	21.444	ug/l	99
39) Methylcyclohexane	9.185	83	101506	21.162	ug/l	98
40) Benzene	8.167	78	230174	21.513	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	25041m	19.827	ug/l	
42) 1,2-Dichloroethane	8.240	62	72189	20.771	ug/l	100
43) Isopropyl Acetate	8.277	43	81028	19.670	ug/l	99
44) Trichloroethene	8.941	130	63994	21.327	ug/l	100
45) 1,2-Dichloropropane	9.222	63	55796	21.253	ug/l	98
46) Dibromomethane	9.307	93	31166	20.629	ug/l	99
47) Bromodichloromethane	9.502	83	77454	21.095	ug/l	98
48) Methyl methacrylate	9.295	41	36969	19.525	ug/l	99
49) 1,4-Dioxane	9.301	88	8184	393.331	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	215012	96.870	ug/l	100
52) Toluene	10.246	92	145625	21.118	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	84944	20.865	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	95433	21.364	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	44439	20.536	ug/l	95
56) Ethyl methacrylate	10.514	69	63653	20.322	ug/l	98
57) 1,3-Dichloropropane	10.794	76	76573	20.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	159476	98.639	ug/l	99
59) 2-Hexanone	10.837	43	149432	96.367	ug/l	99
60) Dibromochloromethane	10.990	129	54487	20.509	ug/l	100
61) 1,2-Dibromoethane	11.087	107	41864	20.309	ug/l	97
64) Tetrachloroethene	10.721	164	63458	21.007	ug/l	98
65) Chlorobenzene	11.520	112	157535	21.280	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	58706	21.184	ug/l	98
67) Ethyl Benzene	11.593	91	282325	21.334	ug/l	99
68) m/p-Xylenes	11.703	106	223838	42.893	ug/l	99
69) o-Xylene	12.032	106	104221	21.272	ug/l	100
70) Styrene	12.044	104	177269	21.212	ug/l	100
71) Bromoform	12.209	173	38346	20.987	ug/l #	97
73) Isopropylbenzene	12.331	105	276056	21.143	ug/l	100
74) N-amyl acetate	12.142	43	74420	19.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	49744	20.019	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	33319m	18.173	ug/l	
77) Bromobenzene	12.611	156	69118	21.017	ug/l	99
78) n-propylbenzene	12.672	91	334587	21.442	ug/l	99
79) 2-Chlorotoluene	12.757	91	184567	21.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	233851	21.377	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	19197	19.912	ug/l	98
82) 4-Chlorotoluene	12.855	91	197238	21.641	ug/l	98
83) tert-Butylbenzene	13.075	119	205805	21.524	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	231462	21.331	ug/l	99
85) sec-Butylbenzene	13.251	105	305043	21.646	ug/l	100
86) p-Isopropyltoluene	13.367	119	262532	21.499	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	135438	21.166	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	135704	21.231	ug/l	99
89) n-Butylbenzene	13.696	91	235334	21.540	ug/l	100
90) Hexachloroethane	13.958	117	46182	20.840	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	118985	20.971	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9278	19.909	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	84446	22.049	ug/l	97
94) Hexachlorobutadiene	15.111	225	53919	21.855	ug/l	100
95) Naphthalene	15.239	128	149177	20.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	72346	21.636	ug/l	99

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

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