

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005906.D
 Acq On : 31 Aug 2021 12:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY083121

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:41:41 PM

Quant Time: Sep 01 05:36:00 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	285598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	414861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	387099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	146321	50.840	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.680%			
35) Dibromofluoromethane	7.722	113	119937	51.478	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.960%			
50) Toluene-d8	10.185	98	505747	51.723	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.483	95	169720	51.692	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	122677	48.107	ug/l	100
3) Chloromethane	2.119	50	141104	52.244	ug/l	99
4) Vinyl Chloride	2.253	62	181647	51.743	ug/l	99
5) Bromomethane	2.656	94	127172	53.692	ug/l	93
6) Chloroethane	2.802	64	115958	55.240	ug/l	98
7) Trichlorofluoromethane	3.131	101	232514	51.851	ug/l	93
8) Diethyl Ether	3.533	74	74870	49.048	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	115394	47.789	ug/l	99
10) Methyl Iodide	4.100	142	146778	48.370	ug/l	98
11) Tert butyl alcohol	4.948	59	133810	236.436	ug/l	97
12) 1,1-Dichloroethene	3.881	96	118632	48.390	ug/l	99
13) Acrolein	3.735	56	20887	223.314	ug/l	99
14) Allyl chloride	4.491	41	203110	49.262	ug/l	99
15) Acrylonitrile	5.167	53	189815	245.884	ug/l	99
16) Acetone	3.954	43	168219	229.227	ug/l	99
17) Carbon Disulfide	4.204	76	381393	48.705	ug/l	97
18) Methyl Acetate	4.485	43	98582	48.384	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	369920	50.261	ug/l	98
20) Methylene Chloride	4.722	84	143825	51.539	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	135727	49.618	ug/l	97
22) Diisopropyl ether	6.131	45	418929	50.008	ug/l	99
23) Vinyl Acetate	6.070	43	1283660	252.504	ug/l	99
24) 1,1-Dichloroethane	6.027	63	236112	49.410	ug/l	99
25) 2-Butanone	6.996	43	251199	242.301	ug/l	97
26) 2,2-Dichloropropane	6.990	77	214865	48.059	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	151499	49.288	ug/l	99
28) Bromochloromethane	7.338	49	103240	52.408	ug/l	99
29) Tetrahydrofuran	7.356	42	164323	244.625	ug/l	100
30) Chloroform	7.514	83	241895	49.330	ug/l	100
31) Cyclohexane	7.789	56	223137	45.967	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	221555	48.526	ug/l	100
36) 1,1-Dichloropropene	7.923	75	188165	48.173	ug/l	100
37) Ethyl Acetate	7.082	43	110415	47.201	ug/l	100
38) Carbon Tetrachloride	7.905	117	207184	48.936	ug/l	98
39) Methylcyclohexane	9.185	83	242351	48.986	ug/l	99
40) Benzene	8.167	78	547470	49.610	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	66080m	50.727	ug/l	
42) 1,2-Dichloroethane	8.246	62	175679	49.009	ug/l	100
43) Isopropyl Acetate	8.277	43	210165	49.464	ug/l	100
44) Trichloroethene	8.941	130	151395	48.920	ug/l	99
45) 1,2-Dichloropropane	9.221	63	134186	49.556	ug/l	100
46) Dibromomethane	9.307	93	76026	48.789	ug/l	98
47) Bromodichloromethane	9.502	83	189495	50.039	ug/l	99
48) Methyl methacrylate	9.295	41	95936	49.126	ug/l	100
49) 1,4-Dioxane	9.301	88	20630	961.308	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	564194	246.449	ug/l	99
52) Toluene	10.246	92	352097	49.506	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	210496	50.129	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	230779	50.091	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	110467	49.494	ug/l	98
56) Ethyl methacrylate	10.514	69	163141	50.498	ug/l	99
57) 1,3-Dichloropropane	10.794	76	191815	49.572	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	420537	252.190	ug/l	99
59) 2-Hexanone	10.837	43	396199	247.724	ug/l	99
60) Dibromochloromethane	10.989	129	135643	49.502	ug/l	100
61) 1,2-Dibromoethane	11.093	107	105490	49.618	ug/l	100
64) Tetrachloroethene	10.721	164	149584	47.195	ug/l	99
65) Chlorobenzene	11.520	112	378157	48.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	143420	49.325	ug/l	99
67) Ethyl Benzene	11.593	91	681325	49.070	ug/l	100
68) m/p-Xylenes	11.703	106	539504	98.535	ug/l	100
69) o-Xylene	12.032	106	256757	49.949	ug/l	100
70) Styrene	12.044	104	440594	50.249	ug/l	100
71) Bromoform	12.209	173	94021	49.046	ug/l	100
73) Isopropylbenzene	12.331	105	665604	49.291	ug/l	99
74) N-amyl acetate	12.142	43	193956	50.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	126790	49.338	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	84511m	44.568	ug/l	
77) Bromobenzene	12.611	156	167378	49.211	ug/l	99
78) n-propylbenzene	12.672	91	797399	49.410	ug/l	100
79) 2-Chlorotoluene	12.757	91	447136	49.770	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	565149	49.953	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	49239	49.383	ug/l	99
82) 4-Chlorotoluene	12.855	91	469537	49.814	ug/l	99
83) tert-Butylbenzene	13.074	119	491992	49.752	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	561576	50.041	ug/l	100
85) sec-Butylbenzene	13.251	105	722944	49.602	ug/l	100
86) p-Isopropyltoluene	13.367	119	627862	49.715	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	329423	49.778	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	324543	49.095	ug/l	100
89) n-Butylbenzene	13.696	91	564966	49.999	ug/l	100
90) Hexachloroethane	13.958	117	112579	49.121	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	289612	49.354	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23375	48.498	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	196881	49.704	ug/l	99
94) Hexachlorobutadiene	15.111	225	125836	49.317	ug/l	100
95) Naphthalene	15.233	128	382063	50.206	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	173794	50.256	ug/l	100

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

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