

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005904.D
 Acq On : 31 Aug 2021 11:25
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:41:37 PM

Quant Time: Sep 01 05:14:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:12:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	292368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	422163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	393708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	203953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	291303	98.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 197.740%#	
35) Dibromofluoromethane	7.722	113	236179	99.618	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 199.240%#	
50) Toluene-d8	10.185	98	1003155	100.819	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 201.640%#	
62) 4-Bromofluorobenzene	12.483	95	335611	100.451	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 200.900%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	252662	96.786	ug/l	98
3) Chloromethane	2.119	50	279375	101.044	ug/l	99
4) Vinyl Chloride	2.253	62	367908	102.373	ug/l	99
5) Bromomethane	2.644	94	216263	89.191	ug/l	92
6) Chloroethane	2.796	64	203097	94.511	ug/l	98
7) Trichlorofluoromethane	3.131	101	429887	93.646	ug/l	96
8) Diethyl Ether	3.534	74	151830	97.162	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	236902	95.839	ug/l	99
10) Methyl Iodide	4.101	142	319434	102.830	ug/l	99
11) Tert butyl alcohol	4.966	59	211587	365.207	ug/l	100
12) 1,1-Dichloroethene	3.875	96	240961	96.011	ug/l	99
13) Acrolein	3.735	56	42032	350.571	ug/l	99
14) Allyl chloride	4.485	41	412384	97.703	ug/l	100
15) Acrylonitrile	5.174	53	381521	482.775	ug/l	99
16) Acetone	3.954	43	361938	481.781	ug/l	100
17) Carbon Disulfide	4.198	76	756034	94.312	ug/l	99
18) Methyl Acetate	4.485	43	192127	92.113	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	741291	98.387	ug/l	99
20) Methylene Chloride	4.722	84	275684	82.906	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	271352	96.901	ug/l	99
22) Diisopropyl ether	6.125	45	831855	97.001	ug/l	97
23) Vinyl Acetate	6.070	43	2582176	496.168	ug/l	99
24) 1,1-Dichloroethane	6.027	63	471276	96.338	ug/l	100
25) 2-Butanone	6.996	43	523994	493.729	ug/l	100
26) 2,2-Dichloropropane	6.990	77	436656	95.405	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	306642	97.452	ug/l	99
28) Bromochloromethane	7.344	49	201713	100.025	ug/l	100
29) Tetrahydrofuran	7.356	42	336565	489.437	ug/l	99
30) Chloroform	7.515	83	482227	96.063	ug/l	99
31) Cyclohexane	7.789	56	458431	92.251	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	450385	96.360	ug/l	100
36) 1,1-Dichloropropene	7.923	75	386783	97.309	ug/l	100
37) Ethyl Acetate	7.082	43	221977	93.252	ug/l	99
38) Carbon Tetrachloride	7.905	117	423790	98.366	ug/l	99
39) Methylcyclohexane	9.185	83	501144	99.544	ug/l	99
40) Benzene	8.167	78	1103942	98.305	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	135643m	99.641	ug/l	
42) 1,2-Dichloroethane	8.240	62	350912	96.201	ug/l	100
43) Isopropyl Acetate	8.277	43	429825	99.413	ug/l	99
44) Trichloroethene	8.941	130	307611	97.678	ug/l	98
45) 1,2-Dichloropropane	9.222	63	269484	97.802	ug/l	100
46) Dibromomethane	9.307	93	153207	96.619	ug/l	99
47) Bromodichloromethane	9.502	83	377336	97.917	ug/l	98
48) Methyl methacrylate	9.295	41	198997	100.139	ug/l	100
49) 1,4-Dioxane	9.301	88	41923	1919.722	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	1148708	493.095	ug/l	100
52) Toluene	10.246	92	714842	98.771	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	430156	100.669	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	462852	98.725	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	219332	96.571	ug/l	98
56) Ethyl methacrylate	10.514	69	337087	102.536	ug/l	99
57) 1,3-Dichloropropane	10.795	76	387894	98.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	866048	510.373	ug/l	99
59) 2-Hexanone	10.837	43	818423	502.868	ug/l	99
60) Dibromochloromethane	10.984	129	278277	99.798	ug/l	100
61) 1,2-Dibromoethane	11.093	107	212847	98.382	ug/l	100
64) Tetrachloroethene	10.721	164	304670	94.512	ug/l	98
65) Chlorobenzene	11.520	112	777595	98.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	290853	98.351	ug/l	100
67) Ethyl Benzene	11.593	91	1418941	100.478	ug/l	100
68) m/p-Xylenes	11.703	106	1116725	200.535	ug/l	99
69) o-Xylene	12.032	106	530290	101.429	ug/l	98
70) Styrene	12.044	104	909608	101.998	ug/l	100
71) Bromoform	12.209	173	192396	98.678	ug/l #	100
73) Isopropylbenzene	12.331	105	1377911	101.362	ug/l	100
74) N-amyl acetate	12.142	43	397983	102.042	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	254856	98.512	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	177308m	120.477	ug/l	
77) Bromobenzene	12.611	156	340359	99.403	ug/l	99
78) n-propylbenzene	12.672	91	1640589	100.981	ug/l	99
79) 2-Chlorotoluene	12.758	91	906925	100.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1145975	100.618	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	100388	100.012	ug/l	99
82) 4-Chlorotoluene	12.855	91	934394	98.471	ug/l	99
83) tert-Butylbenzene	13.075	119	1004909	100.943	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	1141614	101.050	ug/l	99
85) sec-Butylbenzene	13.258	105	1467780	100.036	ug/l	100
86) p-Isopropyltoluene	13.367	119	1293454	101.736	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	670152	100.589	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	649888	97.656	ug/l	99
89) n-Butylbenzene	13.696	91	1148705	100.983	ug/l	100
90) Hexachloroethane	13.959	117	227595	98.644	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	581999	98.520	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	47771	98.455	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	403632	101.222	ug/l	99
94) Hexachlorobutadiene	15.111	225	250223	97.413	ug/l	100
95) Naphthalene	15.239	128	793690	103.603	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	351434	100.947	ug/l	100

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

