

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005901.D
 Acq On : 31 Aug 2021 10:18
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:41:32 PM

Quant Time: Sep 01 05:13:54 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	270313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	387648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	26083	9.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.160%#
35) Dibromofluoromethane	7.722	113	21774	10.002	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.000%#
50) Toluene-d8	10.179	98	89859	9.835	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	19.680%#
62) 4-Bromofluorobenzene	12.483	95	29503	9.617	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.240%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25921	10.740	ug/l	98
3) Chloromethane	2.119	50	26450	10.347	ug/l	94
4) Vinyl Chloride	2.253	62	35086	10.560	ug/l	98
5) Bromomethane	2.656	94	23998	10.705	ug/l	99
6) Chloroethane	2.796	64	20685	10.411	ug/l	96
7) Trichlorofluoromethane	3.131	101	44915	10.582	ug/l	96
8) Diethyl Ether	3.540	74	14615	10.116	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	23975	10.490	ug/l	99
10) Methyl Iodide	4.100	142	28547	9.939	ug/l	97
11) Tert butyl alcohol	4.960	59	18191	33.960	ug/l	100
12) 1,1-Dichloroethene	3.875	96	23825	10.268	ug/l	94
13) Acrolein	3.735	56	6585	59.404	ug/l	96
14) Allyl chloride	4.485	41	39836	10.208	ug/l	99
15) Acrylonitrile	5.167	53	35380	48.422	ug/l	99
16) Acetone	3.954	43	33270	47.899	ug/l	99
17) Carbon Disulfide	4.198	76	79046	10.665	ug/l	98
18) Methyl Acetate	4.485	43	18275	9.477	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	68284	9.802	ug/l	99
20) Methylene Chloride	4.722	84	33184	10.794	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	26209	10.123	ug/l	96
22) Diisopropyl ether	6.125	45	80761	10.186	ug/l	97
23) Vinyl Acetate	6.070	43	237384	49.335	ug/l	99
24) 1,1-Dichloroethane	6.021	63	46535	10.289	ug/l	99
25) 2-Butanone	6.996	43	45694	46.568	ug/l	98
26) 2,2-Dichloropropane	6.984	77	43509	10.282	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	29728	10.219	ug/l	99
28) Bromochloromethane	7.338	49	17767	9.529	ug/l	97
29) Tetrahydrofuran	7.356	42	30696	48.281	ug/l	100
30) Chloroform	7.515	83	47331	10.198	ug/l	96
31) Cyclohexane	7.789	56	48620	10.582	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	44532	10.305	ug/l	99
36) 1,1-Dichloropropene	7.923	75	38112	10.442	ug/l	99
37) Ethyl Acetate	7.082	43	22629	10.353	ug/l	100
38) Carbon Tetrachloride	7.905	117	41261	10.430	ug/l	98
39) Methylcyclohexane	9.185	83	46792	10.122	ug/l	99
40) Benzene	8.167	78	105988	10.278	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	12386m	9.909	ug/l	
42) 1,2-Dichloroethane	8.240	62	34841	10.402	ug/l	100
43) Isopropyl Acetate	8.277	43	38722	9.753	ug/l	97
44) Trichloroethene	8.941	130	29513	10.206	ug/l	95
45) 1,2-Dichloropropane	9.215	63	26121	10.324	ug/l	98
46) Dibromomethane	9.307	93	14919	10.246	ug/l	99
47) Bromodichloromethane	9.496	83	36670	10.363	ug/l	98
48) Methyl methacrylate	9.295	41	17806	9.758	ug/l	98
49) 1,4-Dioxane	9.301	88	3845	191.745	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	104700	48.945	ug/l	98
52) Toluene	10.246	92	68219	10.265	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	39122	9.971	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	44008	10.223	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	21212	10.171	ug/l	95
56) Ethyl methacrylate	10.514	69	28880	9.567	ug/l	99
57) 1,3-Dichloropropane	10.794	76	36538	10.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	75943	48.739	ug/l	100
59) 2-Hexanone	10.837	43	71695	47.974	ug/l	99
60) Dibromochloromethane	10.989	129	25669	10.025	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19676	9.904	ug/l	100
64) Tetrachloroethene	10.721	164	30652	10.475	ug/l	96
65) Chlorobenzene	11.520	112	73621	10.267	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	27419	10.214	ug/l	98
67) Ethyl Benzene	11.593	91	128557	10.029	ug/l	100
68) m/p-Xylenes	11.703	106	101510	20.081	ug/l	99
69) o-Xylene	12.032	106	47162	9.938	ug/l	100
70) Styrene	12.044	104	81248	10.037	ug/l	99
71) Bromoform	12.209	173	17552	9.917	ug/l #	99
73) Isopropylbenzene	12.331	105	128116	10.255	ug/l	100
74) N-amyl acetate	12.142	43	34781	9.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	23754	9.991	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	16317m	12.064	ug/l	
77) Bromobenzene	12.611	156	31898	10.137	ug/l	99
78) n-propylbenzene	12.672	91	151343	10.137	ug/l	99
79) 2-Chlorotoluene	12.757	91	84208	10.131	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	106153	10.142	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	8684	9.414	ug/l	94
82) 4-Chlorotoluene	12.855	91	91380	10.479	ug/l	99
83) tert-Butylbenzene	13.074	119	92018	10.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	105226	10.135	ug/l	100
85) sec-Butylbenzene	13.251	105	137137	10.171	ug/l	100
86) p-Isopropyltoluene	13.367	119	118076	10.106	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	62022	10.130	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	63176	10.330	ug/l	98
89) n-Butylbenzene	13.696	91	105210	10.064	ug/l	100
90) Hexachloroethane	13.965	117	21878	10.318	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	54954	10.123	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4534	10.168	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	35936	9.806	ug/l	98
94) Hexachlorobutadiene	15.111	225	24383	10.329	ug/l	100
95) Naphthalene	15.239	128	66301	9.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	31437	9.826	ug/l	99

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

