

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030821\
 Data File : VY004062.D
 Acq On : 08 Mar 2021 11:05
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:03:02 PM

Quant Time: Mar 08 12:00:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 11:57:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	304167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	482863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	431837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	217808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	56401	20.01	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.02%#		
35) Dibromofluoromethane	7.728	113	52357	17.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.52%#		
50) Toluene-d8	10.185	98	204890	17.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	35.16%#		
62) 4-Bromofluorobenzene	12.483	95	75319	19.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.36%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	59454	24.91	ug/l	98
3) Chloromethane	2.119	50	73621	26.03	ug/l	99
4) Vinyl Chloride	2.260	62	80867	24.69	ug/l	99
5) Bromomethane	2.650	94	50601	22.27	ug/l	93
6) Chloroethane	2.802	64	47730	22.93	ug/l	98
7) Trichlorofluoromethane	3.137	101	104379	21.13	ug/l	100
8) Diethyl Ether	3.540	74	33155	21.91	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.912	101	57452	21.26	ug/l	98
10) Methyl Iodide	4.107	142	59873	19.15	ug/l	100
11) Tert butyl alcohol	4.979	59	27912	113.13	ug/l #	92
12) 1,1-Dichloroethene	3.887	96	56585	21.50	ug/l	97
13) Acrolein	3.741	56	24110	98.12	ug/l	98
14) Allyl chloride	4.497	41	94122	24.66	ug/l	93
15) Acrylonitrile	5.180	53	80563	108.76	ug/l	98
16) Acetone	3.960	43	72473	120.64	ug/l	90
17) Carbon Disulfide	4.210	76	173115	22.25	ug/l	99
18) Methyl Acetate	4.491	43	35310	22.47	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	158599	21.56	ug/l	99
20) Methylene Chloride	4.729	84	71238	20.36	ug/l	95
21) trans-1,2-Dichloroethene	5.235	96	63220	20.31	ug/l	99
22) Diisopropyl ether	6.131	45	192150	21.49	ug/l	92
23) Vinyl Acetate	6.076	43	640924	111.85	ug/l	97
24) 1,1-Dichloroethane	6.033	63	107608	20.44	ug/l	99
25) 2-Butanone	7.003	43	105988	113.81	ug/l	94
26) 2,2-Dichloropropane	6.996	77	102195	21.80	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	72090	20.71	ug/l	93
28) Bromochloromethane	7.350	49	47420	22.67	ug/l	96
29) Tetrahydrofuran	7.362	42	69251	114.67	ug/l	95
30) Chloroform	7.521	83	111200	20.57	ug/l	99
31) Cyclohexane	7.795	56	109110	22.54	ug/l #	91
32) 1,1,1-Trichloroethane	7.716	97	104039	20.90	ug/l	100
36) 1,1-Dichloropropene	7.929	75	88343	20.70	ug/l	98
37) Ethyl Acetate	7.088	43	46822	21.74	ug/l #	96
38) Carbon Tetrachloride	7.911	117	94544	20.25	ug/l	99
39) Methylcyclohexane	9.191	83	114604	19.81	ug/l	94
40) Benzene	8.173	78	251733	20.46	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	27988m	21.12	ug/l	
42) 1,2-Dichloroethane	8.246	62	75654	21.53	ug/l	98
43) Isopropyl Acetate	8.283	43	94995	22.98	ug/l	98
44) Trichloroethene	8.947	130	72531	18.80	ug/l	99
45) 1,2-Dichloropropane	9.222	63	61912	19.83	ug/l	100
46) Dibromomethane	9.313	93	35253	19.61	ug/l	96
47) Bromodichloromethane	9.502	83	88034	20.12	ug/l	99
48) Methyl methacrylate	9.301	41	43954	22.28	ug/l	93
49) 1,4-Dioxane	9.301	88	8917	386.17	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	238453	108.95	ug/l	98
52) Toluene	10.252	92	161691	19.21	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	91172	19.96	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	104685	20.15	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	49409	19.18	ug/l	97
56) Ethyl methacrylate	10.514	69	69248	20.79	ug/l	95
57) 1,3-Dichloropropane	10.795	76	85560	20.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	166267	111.81	ug/l	97
59) 2-Hexanone	10.837	43	166061	113.35	ug/l	99
60) Dibromochloromethane	10.990	129	62098	19.20	ug/l	99
61) 1,2-Dibromoethane	11.093	107	49162	19.87	ug/l	99
64) Tetrachloroethene	10.727	164	75003	18.22	ug/l	96
65) Chlorobenzene	11.520	112	173030	19.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	64796	19.20	ug/l	98
67) Ethyl Benzene	11.599	91	315206	20.23	ug/l	98
68) m/p-Xylenes	11.709	106	241116	39.35	ug/l	96
69) o-Xylene	12.032	106	113642	19.38	ug/l	95
70) Styrene	12.050	104	192725	19.37	ug/l	99
71) Bromoform	12.215	173	38289	17.88	ug/l #	99
73) Isopropylbenzene	12.337	105	311221	20.07	ug/l	99
74) N-amyl acetate	12.148	43	88729	23.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	54603	20.02	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	44049m	20.73	ug/l	
77) Bromobenzene	12.611	156	72393	18.69	ug/l	98
78) n-propylbenzene	12.672	91	367277	20.54	ug/l	98
79) 2-Chlorotoluene	12.764	91	206749	20.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	264192	20.88	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	21287	19.68	ug/l #	76
82) 4-Chlorotoluene	12.861	91	218830	21.08	ug/l	99
83) tert-Butylbenzene	13.081	119	227258	20.36	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	264973	20.71	ug/l	98
85) sec-Butylbenzene	13.258	105	316440	21.14	ug/l	99
86) p-Isopropyltoluene	13.373	119	293394	20.88	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	140880	19.72	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	140773	19.49	ug/l	97
89) n-Butylbenzene	13.703	91	280259	21.41	ug/l	99
90) Hexachloroethane	13.965	117	52272	20.26	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	125613	19.36	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10143	21.28	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	85152	18.27	ug/l	98
94) Hexachlorobutadiene	15.117	225	48548	17.46	ug/l	98
95) Naphthalene	15.239	128	168204	19.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	72493	18.88	ug/l	99

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

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