

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030321\
 Data File : VY004056.D
 Acq On : 03 Mar 2021 13:09
 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
 3/4/2021 2:04:57 PM

Quant Time: Mar 03 13:30:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 03 13:06:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	195840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	259155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	236388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	173843	82.59	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 165.18%#			
35) Dibromofluoromethane	7.722	113	176593	113.49	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 226.98%#			
50) Toluene-d8	10.179	98	613945	97.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 194.52%#			
62) 4-Bromofluorobenzene	12.477	95	211393	97.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 194.64%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	113593	62.93	ug/l	99
3) Chloromethane	2.113	50	138530	52.73	ug/l	97
4) Vinyl Chloride	2.253	62	166278	64.12	ug/l	98
5) Bromomethane	2.637	94	121029	68.91	ug/l	98
6) Chloroethane	2.790	64	105482	67.36	ug/l	98
7) Trichlorofluoromethane	3.125	101	267245	79.78	ug/l	98
8) Diethyl Ether	3.527	74	93785	88.58	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	152998	85.76	ug/l	98
10) Methyl Iodide	4.094	142	190364	85.82	ug/l	96
11) Tert butyl alcohol	4.966	59	79296	254.94	ug/l	96
12) 1,1-Dichloroethene	3.875	96	147105	82.64	ug/l	89
13) Acrolein	3.735	56	79137	381.00	ug/l	100
14) Allyl chloride	4.484	41	216687	66.67	ug/l #	94
15) Acrylonitrile	5.167	53	216878	392.60	ug/l	99
16) Acetone	3.954	43	172589	327.71	ug/l #	87
17) Carbon Disulfide	4.198	76	430284	74.78	ug/l	98
18) Methyl Acetate	4.478	43	94376	75.60	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	422414	81.13	ug/l	98
20) Methylene Chloride	4.722	84	165885	74.85	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	173437	86.08	ug/l	90
22) Diisopropyl ether	6.124	45	486104	74.72	ug/l	97
23) Vinyl Acetate	6.063	43	1635013	372.90	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	278543	79.21	ug/l	99
25) 2-Butanone	6.990	43	296213	385.02	ug/l #	87
26) 2,2-Dichloropropane	6.990	77	285712	86.04	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	220370	96.68	ug/l	86
28) Bromochloromethane	7.338	49	132900	85.07	ug/l #	74
29) Tetrahydrofuran	7.350	42	204998	418.88	ug/l #	87
30) Chloroform	7.508	83	331122	91.90	ug/l	99
31) Cyclohexane	7.789	56	280294	78.90	ug/l	87
32) 1,1,1-Trichloroethane	7.703	97	305999	92.32	ug/l	96
36) 1,1-Dichloropropene	7.917	75	257562	101.21	ug/l	95
37) Ethyl Acetate	7.075	43	130273	87.02	ug/l #	95
38) Carbon Tetrachloride	7.905	117	289255	109.06	ug/l	98
39) Methylcyclohexane	9.185	83	299137	96.58	ug/l	89
40) Benzene	8.161	78	748914	105.15	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	75052m	97.11	ug/l	
42) 1,2-Dichloroethane	8.240	62	204314	88.94	ug/l	93
43) Isopropyl Acetate	8.277	43	242664	87.48	ug/l #	91
44) Trichloroethene	8.941	130	203800	102.09	ug/l	96
45) 1,2-Dichloropropane	9.215	63	163514	94.08	ug/l	100
46) Dibromomethane	9.307	93	98316	100.04	ug/l	97
47) Bromodichloromethane	9.496	83	235673	94.51	ug/l	99
48) Methyl methacrylate	9.295	41	112067	82.44	ug/l	90
49) 1,4-Dioxane	9.295	88	26221	2201.23	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	624955	434.06	ug/l	93
52) Toluene	10.246	92	442568	96.78	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	252274	92.72	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	280882	93.81	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	142001	99.36	ug/l	96
56) Ethyl methacrylate	10.508	69	190857	95.69	ug/l	89
57) 1,3-Dichloropropane	10.788	76	235038	94.10	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	394324	440.10	ug/l	93
59) 2-Hexanone	10.831	43	435521	425.32	ug/l	92
60) Dibromochloromethane	10.983	129	183802	101.84	ug/l	98
61) 1,2-Dibromoethane	11.087	107	138965	99.62	ug/l	99
64) Tetrachloroethene	10.721	164	214176	97.32	ug/l	99
65) Chlorobenzene	11.514	112	484893	102.46	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	187838	104.24	ug/l	98
67) Ethyl Benzene	11.593	91	862711	98.28	ug/l	97
68) m/p-Xylenes	11.703	106	675331	206.71	ug/l	90
69) o-Xylene	12.026	106	315105	102.79	ug/l	91
70) Styrene	12.044	104	545304	103.68	ug/l	96
71) Bromoform	12.209	173	122688	106.45	ug/l	99
73) Isopropylbenzene	12.331	105	857601	88.90	ug/l	98
74) N-amyl acetate	12.142	43	221751	78.67	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	158948	90.82	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	121335m	89.56	ug/l	
77) Bromobenzene	12.605	156	214084	89.98	ug/l	94
78) n-propylbenzene	12.666	91	990380	86.17	ug/l	96
79) 2-Chlorotoluene	12.751	91	547906	84.41	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	709355	86.71	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	62263	86.29	ug/l	92
82) 4-Chlorotoluene	12.855	91	575699	84.40	ug/l	94
83) tert-Butylbenzene	13.074	119	620480	88.07	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	706706	86.06	ug/l	95
85) sec-Butylbenzene	13.251	105	857990	88.93	ug/l	98
86) p-Isopropyltoluene	13.367	119	804029	89.31	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	404449	89.11	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	445359	98.99	ug/l	99
89) n-Butylbenzene	13.696	91	796858	95.89	ug/l	98
90) Hexachloroethane	13.958	117	157738	97.67	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	401579	99.86	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29621	90.47	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	286061	99.76	ug/l	99
94) Hexachlorobutadiene	15.111	225	159305	88.56	ug/l	99
95) Naphthalene	15.233	128	534519	101.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	217901	89.05	ug/l	98

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

