

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020720.D
 Acq On : 25 Jan 2021 12:12
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/27/2021 1:16:11 PM

Quant Time: Jan 25 12:38:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 12:08:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	315902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	519401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	505347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	251557	50.00	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	659469	153.06	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	306.12%#
35) Dibromofluoromethane	5.464	113	543809	151.97	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	303.94%#
50) Toluene-d8	8.695	98	2025801	157.23	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	314.46%#
62) 4-Bromofluorobenzene	11.122	95	816204	165.99	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	331.98%#

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.184	85	758520	173.67	ug/l 99
3) Chloromethane	1.312	50	712969	163.22	ug/l 100
4) Vinyl Chloride	1.392	62	711833	159.58	ug/l 100
5) Bromomethane	1.617	94	309469	151.45	ug/l 98
6) Chloroethane	1.690	64	367062	117.65	ug/l 99
7) Trichlorofluoromethane	1.898	101	932288	146.24	ug/l 99
8) Diethyl Ether	2.166	74	343277	151.83	ug/l 95
9) 1,1,2-Trichlorotrifluo...	2.355	101	471297	138.08	ug/l 98
10) Methyl Iodide	2.483	142	711811	154.29	ug/l 93
11) Tert butyl alcohol	3.038	59	638554	814.70	ug/l 99
12) 1,1-Dichloroethene	2.349	96	467706	140.58	ug/l 95
13) Acrolein	2.276	56	518405	1075.87	ug/l 100
14) Allyl chloride	2.702	41	891046	171.23	ug/l 94
15) Acrylonitrile	3.117	53	1616110	838.79	ug/l 99
16) Acetone	2.428	43	1246287	746.75	ug/l 99
17) Carbon Disulfide	2.544	76	1484439	154.23	ug/l 99
18) Methyl Acetate	2.751	43	676648	173.20	ug/l 97
19) Methyl tert-butyl Ether	3.166	73	1835538	163.76	ug/l 100
20) Methylene Chloride	2.830	84	606798	148.37	ug/l 97
21) trans-1,2-Dichloroethene	3.135	96	560852	148.77	ug/l 96
22) Diisopropyl ether	3.824	45	1727784	166.67	ug/l 97
23) Vinyl Acetate	3.788	43	7415666	844.82	ug/l 99
24) 1,1-Dichloroethane	3.666	63	1026175	154.26	ug/l 99
25) 2-Butanone	4.641	43	2071456	839.77	ug/l 98
26) 2,2-Dichloropropane	4.550	77	865401	154.70	ug/l 98
27) cis-1,2-Dichloroethene	4.562	96	651028	152.68	ug/l 99
28) Bromochloromethane	4.976	49	403985	146.17	ug/l 97
29) Tetrahydrofuran	5.092	42	1342863	868.41	ug/l 96
30) Chloroform	5.178	83	1052929	149.06	ug/l 98
31) Cyclohexane	5.543	56	918977	161.92	ug/l 99
32) 1,1,1-Trichloroethane	5.458	97	957716	154.22	ug/l 99
36) 1,1-Dichloropropene	5.763	75	795254	152.61	ug/l 98
37) Ethyl Acetate	4.800	43	794878	164.05	ug/l 98
38) Carbon Tetrachloride	5.751	117	850234	152.48	ug/l 98
39) Methylcyclohexane	7.439	83	981900	165.59	ug/l 100
40) Benzene	6.110	78	2353240	153.25	ug/l 99
41) Methacrylonitrile	5.007	41	451289	171.22	ug/l 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.159	62	836631	146.21	ug/l	99
43) Isopropyl Acetate	6.415	43	1321945	175.98	ug/l	99
44) Trichloroethene	7.183	130	622110	149.71	ug/l	98
45) 1,2-Dichloropropane	7.488	63	614188	158.20	ug/l	99
46) Dibromomethane	7.634	93	414169	149.20	ug/l	98
47) Bromodichloromethane	7.872	83	882651	156.98	ug/l	100
48) Methyl methacrylate	7.744	41	680257	182.09	ug/l	97
49) 1,4-Dioxane	7.720	88	298275	3472.88	ug/l	100
51) 4-Methyl-2-Pentanone	8.622	43	4068276	861.07	ug/l	100
52) Toluene	8.762	92	1531458	162.22	ug/l	97
53) t-1,3-Dichloropropene	9.018	75	1020013	177.43	ug/l	99
54) cis-1,3-Dichloropropene	8.415	75	1056433	166.97	ug/l	96
55) 1,1,2-Trichloroethane	9.195	97	629982	157.69	ug/l	99
56) Ethyl methacrylate	9.159	69	1005411	191.27	ug/l	98
57) 1,3-Dichloropropane	9.354	76	1071005	162.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.293	63	2273952	793.73	ug/l	99
59) 2-Hexanone	9.476	43	3046358	861.67	ug/l	100
60) Dibromochloromethane	9.567	129	732026	169.46	ug/l	99
61) 1,2-Dibromoethane	9.652	107	669182	163.07	ug/l	99
64) Tetrachloroethene	9.317	164	535167	132.66	ug/l	88
65) Chlorobenzene	10.122	112	1674668	152.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.201	131	648000	157.08	ug/l	99
67) Ethyl Benzene	10.231	91	3062171	164.61	ug/l	99
68) m/p-Xylenes	10.341	106	2261308	326.97	ug/l	99
69) o-Xylene	10.683	106	1092560	164.70	ug/l	98
70) Styrene	10.695	104	1866273	168.51	ug/l	98
71) Bromoform	10.841	173	525164	162.48	ug/l	99
73) Isopropylbenzene	11.000	105	2967434	166.42	ug/l	99
74) N-ethyl acetate	10.884	43	1174900	183.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.250	83	930172	146.57	ug/l	98
76) 1,2,3-Trichloropropane	11.280	75	864373m	143.89	ug/l	
77) Bromobenzene	11.237	156	707696	155.76	ug/l	99
78) n-propylbenzene	11.341	91	3395556	166.30	ug/l	100
79) 2-Chlorotoluene	11.402	91	2029881	161.42	ug/l	98
80) 1,3,5-Trimethylbenzene	11.487	105	2568598	171.81	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.061	75	350379	168.64	ug/l	96
82) 4-Chlorotoluene	11.493	91	2404662	161.74	ug/l	97
83) tert-Butylbenzene	11.756	119	2462980	169.29	ug/l	97
84) 1,2,4-Trimethylbenzene	11.792	105	2571144	169.32	ug/l	99
85) sec-Butylbenzene	11.932	105	2904164	172.26	ug/l	100
86) p-Isopropyltoluene	12.048	119	2670535	171.55	ug/l	99
87) 1,3-Dichlorobenzene	12.012	146	1291456	154.52	ug/l	99
88) 1,4-Dichlorobenzene	12.079	146	1295980	153.11	ug/l	98
89) n-Butylbenzene	12.371	91	2447167	179.01	ug/l	99
90) Hexachloroethane	12.579	117	491701	174.03	ug/l	95
91) 1,2-Dichlorobenzene	12.377	146	1270582	156.05	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.981	75	230411	165.16	ug/l	94
93) 1,2,4-Trichlorobenzene	13.627	180	938097	182.04	ug/l	97
94) Hexachlorobutadiene	13.761	225	389963	157.00	ug/l	99
95) Naphthalene	13.816	128	3001657	191.77	ug/l	100
96) 1,2,3-Trichlorobenzene	13.999	180	898404	175.97	ug/l	98

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