

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011921\
 Data File : VX020657.D
 Acq On : 19 Jan 2021 13:17
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011921

Manual Integrations
 APPROVED

MMDadoda
 1/20/2021 5:42:24 PM

Quant Time: Jan 20 03:19:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 14:09:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	236642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	367386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	348575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	174877	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	148182	45.80	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.60%
35) Dibromofluoromethane	5.458	113	120400	47.57	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.14%
50) Toluene-d8	8.696	98	447940	49.08	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.16%
62) 4-Bromofluorobenzene	11.122	95	180329	52.27	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.54%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.185	85	189955	52.70	ug/l 100
3) Chloromethane	1.307	50	163900	50.35	ug/l 100
4) Vinyl Chloride	1.392	62	174374	52.10	ug/l 99
5) Bromomethane	1.624	94	69619	44.71	ug/l 99
6) Chloroethane	1.703	64	102429	51.48	ug/l 100
7) Trichlorofluoromethane	1.910	101	244555	50.56	ug/l 99
8) Diethyl Ether	2.166	74	85856	50.37	ug/l 98
9) 1,1,2-Trichlorotrifluo...	2.361	101	136599	52.25	ug/l 99
10) Methyl Iodide	2.489	142	179149	51.16	ug/l 97
11) Tert butyl alcohol	3.008	59	147336	256.79	ug/l 99
12) 1,1-Dichloroethene	2.355	96	130005	51.29	ug/l 99
13) Acrolein	2.270	56	88140	251.54	ug/l 100
14) Allyl chloride	2.703	41	193724	50.70	ug/l 98
15) Acrylonitrile	3.111	53	357761	251.53	ug/l 99
16) Acetone	2.416	43	336274	267.62	ug/l 98
17) Carbon Disulfide	2.544	76	371588	51.29	ug/l 100
18) Methyl Acetate	2.745	43	140276	49.15	ug/l 99
19) Methyl tert-butyl Ether	3.160	73	436667	52.36	ug/l 99
20) Methylene Chloride	2.831	84	145983	47.86	ug/l 98
21) trans-1,2-Dichloroethene	3.136	96	143294	50.79	ug/l 97
22) Diisopropyl ether	3.818	45	400291	52.46	ug/l 99
23) Vinyl Acetate	3.776	43	1754313	269.48	ug/l 99
24) 1,1-Dichloroethane	3.666	63	248042	49.97	ug/l 100
25) 2-Butanone	4.623	43	486264	264.77	ug/l 100
26) 2,2-Dichloropropane	4.544	77	219388	51.96	ug/l 99
27) cis-1,2-Dichloroethene	4.556	96	161644	50.67	ug/l 99
28) Bromochloromethane	4.977	49	92313	44.53	ug/l 100
29) Tetrahydrofuran	5.080	42	291612	255.77	ug/l 98
30) Chloroform	5.166	83	260241	49.23	ug/l 99
31) Cyclohexane	5.544	56	222215	52.49	ug/l 97
32) 1,1,1-Trichloroethane	5.458	97	234155	50.36	ug/l 99
36) 1,1-Dichloropropene	5.763	75	200555	54.17	ug/l 99
37) Ethyl Acetate	4.782	43	182276	53.43	ug/l 99
38) Carbon Tetrachloride	5.751	117	208048	52.65	ug/l 97
39) Methylcyclohexane	7.434	83	244227	57.95	ug/l 98
40) Benzene	6.111	78	569998	52.54	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	95917	52.14	ug/l	97
42) 1,2-Dichloroethane	6.153	62	208148	51.13	ug/l	98
43) Isopropyl Acetate	6.403	43	288146	54.70	ug/l	100
44) Trichloroethene	7.184	130	156621	53.04	ug/l	98
45) 1,2-Dichloropropane	7.489	63	144905	53.14	ug/l	99
46) Dibromomethane	7.635	93	102493	51.90	ug/l	98
47) Bromodichloromethane	7.873	83	208398	52.54	ug/l	98
48) Methyl methacrylate	7.738	41	145512	55.75	ug/l	99
49) 1,4-Dioxane	7.714	88	68648	1153.62	ug/l	98
51) 4-Methyl-2-Pentanone	8.616	43	916984	278.25	ug/l	99
52) Toluene	8.763	92	364813	54.70	ug/l	100
53) t-1,3-Dichloropropene	9.019	75	228662	56.38	ug/l	100
54) cis-1,3-Dichloropropene	8.409	75	247820	55.43	ug/l	98
55) 1,1,2-Trichloroethane	9.196	97	146197	51.83	ug/l	99
56) Ethyl methacrylate	9.159	69	215718	51.99	ug/l	100
57) 1,3-Dichloropropane	9.348	76	249821	53.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	456207	226.22	ug/l	99
59) 2-Hexanone	9.470	43	730169	295.78	ug/l	99
60) Dibromochloromethane	9.561	129	163757	53.85	ug/l	100
61) 1,2-Dibromoethane	9.653	107	157903	54.39	ug/l	99
64) Tetrachloroethene	9.317	164	142166	51.21	ug/l	96
65) Chlorobenzene	10.116	112	393454	52.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.201	131	146477	51.65	ug/l	99
67) Ethyl Benzene	10.232	91	702968	54.96	ug/l	98
68) m/p-Xylenes	10.342	106	531648	111.85	ug/l	98
69) o-Xylene	10.683	106	253670	55.58	ug/l	98
70) Styrene	10.695	104	441274	52.58	ug/l	99
71) Bromoform	10.842	173	122116	55.28	ug/l	99
73) Isopropylbenzene	11.000	105	693505	55.84	ug/l	100
74) N-amyl acetate	10.878	43	255958	52.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.250	83	223519	50.45	ug/l	98
76) 1,2,3-Trichloropropane	11.281	75	221302m	52.73	ug/l	
77) Bromobenzene	11.238	156	169502	53.35	ug/l	99
78) n-propylbenzene	11.341	91	808326	56.84	ug/l	100
79) 2-Chlorotoluene	11.402	91	484258	55.30	ug/l	100
80) 1,3,5-Trimethylbenzene	11.488	105	604609	58.23	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.055	75	78643	54.20	ug/l	99
82) 4-Chlorotoluene	11.494	91	575345	55.62	ug/l	99
83) tert-Butylbenzene	11.756	119	571540	56.67	ug/l	96
84) 1,2,4-Trimethylbenzene	11.793	105	609241	53.83	ug/l	99
85) sec-Butylbenzene	11.927	105	682073	58.40	ug/l	100
86) p-Isopropyltoluene	12.049	119	648293	55.03	ug/l	99
87) 1,3-Dichlorobenzene	12.006	146	315111	53.93	ug/l	97
88) 1,4-Dichlorobenzene	12.079	146	314670	53.20	ug/l	97
89) n-Butylbenzene	12.372	91	579233	55.17	ug/l	99
90) Hexachloroethane	12.579	117	109129	55.73	ug/l	95
91) 1,2-Dichlorobenzene	12.378	146	305273	53.56	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.981	75	51440	52.05	ug/l	93
93) 1,2,4-Trichlorobenzene	13.628	180	204516	51.05	ug/l	99
94) Hexachlorobutadiene	13.762	225	95654	55.19	ug/l	95
95) Naphthalene	13.817	128	644351	49.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.000	180	193698	53.73	ug/l	97

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

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