

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012220\
 Data File : VX014686.D
 Acq On : 22 Jan 2020 12:57
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX012220

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 1:39:20 PM

Quant Time: Jan 22 13:23:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	475615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	708994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	640866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	326858	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	261127	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	5.48	113	214365	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	8.71	98	839843	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.13	95	297425	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	317508	49.738	ug/l	100
3) Chloromethane	1.32	50	339494	52.764	ug/l	99
4) Vinyl Chloride	1.40	62	360566	51.828	ug/l	100
5) Bromomethane	1.63	94	218782	46.299	ug/l	99
6) Chloroethane	1.72	64	190614	47.830	ug/l	99
7) Trichlorofluoromethane	1.92	101	391503	48.331	ug/l	99
8) Diethyl Ether	2.18	74	167864	47.476	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	232651	48.924	ug/l	98
10) Methyl Iodide	2.50	142	281464	45.108	ug/l	100
11) Tert butyl alcohol	3.02	59	269247	215.925	ug/l	99
12) 1,1-Dichloroethene	2.37	96	232138	49.098	ug/l	99
13) Acrolein	2.28	56	221508	225.296	ug/l	100
14) Allyl chloride	2.72	41	416010	48.952	ug/l	99
15) Acrylonitrile	3.12	53	682097	236.417	ug/l	100
16) Acetone	2.43	43	681532	223.910	ug/l	99
17) Carbon Disulfide	2.56	76	644957	49.910	ug/l	100
18) Methyl Acetate	2.76	43	411149	47.319	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	762863	49.261	ug/l	100
20) Methylene Chloride	2.84	84	258878	45.961	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	248010	47.641	ug/l	97
22) Diisopropyl ether	3.84	45	824417	48.759	ug/l	97
23) Vinyl Acetate	3.80	43	3302431	256.226	ug/l	98
24) 1,1-Dichloroethane	3.69	63	443207	48.268	ug/l	98
25) 2-Butanone	4.65	43	1008836	231.316	ug/l	99
26) 2,2-Dichloropropane	4.57	77	368236	50.102	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	280074	48.070	ug/l	100
28) Bromochloromethane	5.00	49	172544	42.762	ug/l	100
29) Tetrahydrofuran	5.11	42	623052	240.700	ug/l	99
30) Chloroform	5.20	83	430262	47.302	ug/l	100
31) Cyclohexane	5.57	56	432552	50.085	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	373836	48.622	ug/l	98
36) 1,1-Dichloropropene	5.79	75	336347	51.055	ug/l	99
37) Ethyl Acetate	4.81	43	377822	50.073	ug/l	100
38) Carbon Tetrachloride	5.77	117	321848	51.154	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	438122	53.085	ug/l	96
40) Benzene	6.13	78	1011058	49.670	ug/l	98
41) Methacrylonitrile	5.02	41	206535	47.968	ug/l	98
42) 1,2-Dichloroethane	6.18	62	346540	49.300	ug/l	100
43) Isopropyl Acetate	6.43	43	617416	49.969	ug/l	100
44) Trichloroethene	7.20	130	276889	48.157	ug/l	96
45) 1,2-Dichloropropane	7.50	63	263088	50.169	ug/l	100
46) Dibromomethane	7.65	93	167731	49.386	ug/l	98
47) Bromodichloromethane	7.89	83	340964	51.186	ug/l	99
48) Methyl methacrylate	7.76	41	305522	51.752	ug/l	99
49) 1,4-Dioxane	7.73	88	110822	885.564	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1909460	244.850	ug/l	100
52) Toluene	8.78	92	644781	51.531	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	381374	53.171	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	424031	53.739	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	253410	49.466	ug/l	98
56) Ethyl methacrylate	9.17	69	408491	47.140	ug/l	100
57) 1,3-Dichloropropane	9.36	76	431454	49.267	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	678248	263.257	ug/l	99
59) 2-Hexanone	9.48	43	1484454	245.303	ug/l	99
60) Dibromochloromethane	9.57	129	274262	51.290	ug/l	100
61) 1,2-Dibromoethane	9.67	107	268568	49.584	ug/l	99
64) Tetrachloroethene	9.33	164	285545	45.012	ug/l	98
65) Chlorobenzene	10.13	112	676884	49.380	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	253704	50.197	ug/l	99
67) Ethyl Benzene	10.25	91	1216526	51.975	ug/l	100
68) m/p-Xylenes	10.35	106	923782	104.179	ug/l	100
69) o-Xylene	10.70	106	442854	51.733	ug/l	100
70) Styrene	10.71	104	765952	53.340	ug/l	100
71) Bromoform	10.85	173	209175	52.043	ug/l #	100
73) Isopropylbenzene	11.01	105	1192729	51.897	ug/l	100
74) N-amyl acetate	10.89	43	539191	53.538	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	385816	47.017	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	326235m	42.900	ug/l	
77) Bromobenzene	11.25	156	303550	49.164	ug/l	99
78) n-propylbenzene	11.35	91	1378548	52.844	ug/l	100
79) 2-Chlorotoluene	11.42	91	795504	50.398	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	998092	52.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	139272	52.119	ug/l	97
82) 4-Chlorotoluene	11.51	91	930696	51.792	ug/l	99
83) tert-Butylbenzene	11.76	119	951541	53.087	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1008171	52.694	ug/l	98
85) sec-Butylbenzene	11.94	105	1173052	53.423	ug/l	100
86) p-Isopropyltoluene	12.06	119	1084067	53.422	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	545908	49.198	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	547745	49.280	ug/l	100
89) n-Butylbenzene	12.39	91	961563	54.406	ug/l	100
90) Hexachloroethane	12.59	117	194104	51.497	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	549163	49.831	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	85229	48.342	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	378268	53.238	ug/l	99
94) Hexachlorobutadiene	13.78	225	188554	51.560	ug/l	98
95) Naphthalene	13.83	128	1121936	48.986	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	373098	51.932	ug/l	96

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

