

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016451.D
 Acq On : 27 May 2020 16:13
 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
 5/28/2020 2:10:30 PM

Quant Time: May 27 16:34:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	447595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	518943	138.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.44%	
35) Dibromofluoromethane	5.47	113	410270	144.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.20%	
50) Toluene-d8	8.70	98	1625543	147.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.54%	
62) 4-Bromofluorobenzene	11.12	95	656578	157.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	419098	139.553	ug/l	97
3) Chloromethane	1.31	50	498826	142.879	ug/l	99
4) Vinyl Chloride	1.39	62	525372	140.763	ug/l	97
5) Bromomethane	1.62	94	245146	131.965	ug/l	98
6) Chloroethane	1.69	64	270769	120.406	ug/l	97
7) Trichlorofluoromethane	1.90	101	692848	141.445	ug/l	100
8) Diethyl Ether	2.17	74	277330	134.957	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	370023	131.949	ug/l	99
10) Methyl Iodide	2.48	142	474385	131.106	ug/l	99
11) Tert butyl alcohol	3.04	59	682530	721.823	ug/l	100
12) 1,1-Dichloroethene	2.35	96	390975	133.139	ug/l	99
13) Acrolein	2.28	56	313159	567.668	ug/l	97
14) Allyl chloride	2.70	41	733472	135.764	ug/l	99
15) Acrylonitrile	3.12	53	1410088	716.451	ug/l	99
16) Acetone	2.43	43	1123517	673.894	ug/l	98
17) Carbon Disulfide	2.54	76	1176743	117.798	ug/l	99
18) Methyl Acetate	2.75	43	584738	141.508	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1468913	143.784	ug/l	99
20) Methylene Chloride	2.83	84	445901	129.598	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	444011	134.775	ug/l	97
22) Diisopropyl ether	3.83	45	1417959	138.213	ug/l	92
23) Vinyl Acetate	3.79	43	6406517	710.698	ug/l	98
24) 1,1-Dichloroethane	3.67	63	797647	139.056	ug/l	100
25) 2-Butanone	4.64	43	2002088	739.849	ug/l	98
26) 2,2-Dichloropropane	4.55	77	648738	126.484	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	502023	139.036	ug/l	99
28) Bromochloromethane	4.98	49	365480	140.325	ug/l	98
29) Tetrahydrofuran	5.09	42	1297281	724.430	ug/l	99
30) Chloroform	5.18	83	805788	141.157	ug/l	98
31) Cyclohexane	5.55	56	721523	139.897	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	732244	140.967	ug/l	99
36) 1,1-Dichloropropene	5.77	75	626276	141.854	ug/l	99
37) Ethyl Acetate	4.80	43	748172	145.984	ug/l	99
38) Carbon Tetrachloride	5.75	117	661008	146.831	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	696943	133.563	ug/l	99
40) Benzene	6.12	78	1849797	142.880	ug/l	100
41) Methacrylonitrile	5.01	41	409653	148.303	ug/l	99
42) 1,2-Dichloroethane	6.17	62	656046	140.876	ug/l	100
43) Isopropyl Acetate	6.42	43	1196095	146.624	ug/l	99
44) Trichloroethene	7.19	130	547276	121.176	ug/l	98
45) 1,2-Dichloropropane	7.49	63	477116	145.873	ug/l	99
46) Dibromomethane	7.64	93	318716	143.412	ug/l	99
47) Bromodichloromethane	7.88	83	675108	149.084	ug/l	98
48) Methyl methacrylate	7.75	41	590146	152.220	ug/l	99
49) 1,4-Dioxane	7.72	88	274478	2960.409	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3804258	759.736	ug/l	99
52) Toluene	8.77	92	1186543	147.055	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	792257	147.261	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	820159	145.853	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	479815	151.291	ug/l	97
56) Ethyl methacrylate	9.16	69	832884	160.457	ug/l	100
57) 1,3-Dichloropropane	9.35	76	819443	147.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2028225	738.403	ug/l	99
59) 2-Hexanone	9.48	43	3036080	770.910	ug/l	99
60) Dibromochloromethane	9.57	129	556389	158.655	ug/l	100
61) 1,2-Dibromoethane	9.66	107	518046	151.243	ug/l	100
64) Tetrachloroethene	9.32	164	612893	118.758	ug/l	95
65) Chlorobenzene	10.12	112	1273788	142.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	491522	148.957	ug/l	99
67) Ethyl Benzene	10.24	91	2301655	144.824	ug/l	100
68) m/p-Xylenes	10.34	106	1731769	291.502	ug/l	99
69) o-Xylene	10.68	106	850057	148.980	ug/l	98
70) Styrene	10.70	104	1506033	154.842	ug/l	99
71) Bromoform	10.84	173	457171	168.745	ug/l	99
73) Isopropylbenzene	11.01	105	2262416	137.028	ug/l	99
74) N-amyl acetate	10.88	43	1113061	144.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	659083	214.087	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	709082m	137.419	ug/l	
77) Bromobenzene	11.24	156	588449	137.537	ug/l	99
78) n-propylbenzene	11.35	91	2603895	135.897	ug/l	100
79) 2-Chlorotoluene	11.41	91	1576947	138.708	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1961622	140.528	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	313405	146.539	ug/l	98
82) 4-Chlorotoluene	11.49	91	1882164	140.308	ug/l	99
83) tert-Butylbenzene	11.76	119	1737656	144.325	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1999541	141.682	ug/l	100
85) sec-Butylbenzene	11.93	105	2150521	134.226	ug/l	100
86) p-Isopropyltoluene	12.05	119	2003464	134.435	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1052807	137.443	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	1064654	136.935	ug/l	98
89) n-Butylbenzene	12.37	91	1731158	128.301	ug/l	99
90) Hexachloroethane	12.58	117	368276	144.363	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1022838	138.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	197546	145.301	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	724262	133.925	ug/l	100
94) Hexachlorobutadiene	13.77	225	287150	117.949	ug/l	96
95) Naphthalene	13.82	128	2465733	140.292	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	683056	130.213	ug/l	99

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

