

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102419\
 Data File : VX013189.D
 Acq On : 23 Oct 2019 14:45
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:32:52 PM

Quant Time: Oct 24 03:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 15:31:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	85926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	128455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	130154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	182627	98.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.72%	
35) Dibromofluoromethane	5.49	113	146277	97.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.24%	
50) Toluene-d8	8.71	98	533572	97.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.96%	
62) 4-Bromofluorobenzene	11.14	95	219290	97.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	165977	93.946	ug/l	100
3) Chloromethane	1.31	50	140839	91.593	ug/l	99
4) Vinyl Chloride	1.40	62	150648	94.747	ug/l	98
5) Bromomethane	1.62	94	77814	91.566	ug/l	99
6) Chloroethane	1.70	64	93514	86.641	ug/l	95
7) Trichlorofluoromethane	1.91	101	249190	96.298	ug/l	100
8) Diethyl Ether	2.18	74	83372	93.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	150076	95.946	ug/l	99
10) Methyl Iodide	2.50	142	203081	107.861	ug/l	99
11) Tert butyl alcohol	3.05	59	193627	427.302	ug/l	99
12) 1,1-Dichloroethene	2.36	96	144468	97.196	ug/l	96
13) Acrolein	2.28	56	117300	450.721	ug/l	98
14) Allyl chloride	2.72	41	229037	98.679	ug/l	98
15) Acrylonitrile	3.13	53	391527	475.461	ug/l	100
16) Acetone	2.44	43	416565	483.313	ug/l	99
17) Carbon Disulfide	2.56	76	384453	96.669	ug/l	100
18) Methyl Acetate	2.76	43	185559	94.449	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	508108	98.662	ug/l	97
20) Methylene Chloride	2.84	84	159519	88.422	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	154662	94.711	ug/l	100
22) Diisopropyl ether	3.84	45	436559	96.498	ug/l	100
23) Vinyl Acetate	3.80	43	1962048	498.366	ug/l	99
24) 1,1-Dichloroethane	3.69	63	271862	98.083	ug/l	99
25) 2-Butanone	4.66	43	562800	478.756	ug/l	100
26) 2,2-Dichloropropane	4.57	77	258505	103.518	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	176917	96.900	ug/l	99
28) Bromochloromethane	5.00	49	74372	100.365	ug/l	100
29) Tetrahydrofuran	5.12	42	329021	466.512	ug/l	98
30) Chloroform	5.20	83	288210	96.216	ug/l	99
31) Cyclohexane	5.57	56	231616	96.338	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	268938	100.081	ug/l	100
36) 1,1-Dichloropropene	5.79	75	211768	92.005	ug/l	99
37) Ethyl Acetate	4.83	43	206880	90.969	ug/l	99
38) Carbon Tetrachloride	5.78	117	231137	98.452	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	258279	94.631	ug/l	99
40) Benzene	6.14	78	618712	94.531	ug/l	98
41) Methacrylonitrile	5.03	41	113918	94.561	ug/l	99
42) 1,2-Dichloroethane	6.18	62	234627	95.412	ug/l	100
43) Isopropyl Acetate	6.43	43	351030	96.747	ug/l	100
44) Trichloroethene	7.21	130	170991	92.218	ug/l	99
45) 1,2-Dichloropropane	7.51	63	152866	94.102	ug/l	98
46) Dibromomethane	7.65	93	109546	95.544	ug/l	98
47) Bromodichloromethane	7.89	83	231108	102.297	ug/l	100
48) Methyl methacrylate	7.76	41	174497	99.170	ug/l	99
49) 1,4-Dioxane	7.73	88	82308	1717.477	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1065930	479.375	ug/l	100
52) Toluene	8.78	92	405583	96.040	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	259893	107.426	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	276021	103.429	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	163360	95.673	ug/l	97
56) Ethyl methacrylate	9.17	69	266900	102.123	ug/l	99
57) 1,3-Dichloropropane	9.37	76	271345	96.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	540634	527.073	ug/l	100
59) 2-Hexanone	9.49	43	836898	479.823	ug/l	99
60) Dibromochloromethane	9.58	129	187018	106.720	ug/l	99
61) 1,2-Dibromoethane	9.67	107	174418	95.560	ug/l	99
64) Tetrachloroethene	9.33	164	159622	90.301	ug/l	98
65) Chlorobenzene	10.14	112	433729	95.393	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	171032	102.692	ug/l	100
67) Ethyl Benzene	10.25	91	798561	98.251	ug/l	99
68) m/p-Xylenes	10.35	106	596384	194.129	ug/l	100
69) o-Xylene	10.70	106	291768	97.488	ug/l	100
70) Styrene	10.71	104	511727	101.622	ug/l	99
71) Bromoform	10.85	173	136732	113.652	ug/l #	100
73) Isopropylbenzene	11.01	105	791145	97.157	ug/l	99
74) N-amyl acetate	10.89	43	306219	100.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	240888	95.529	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	197962m	94.091	ug/l	
77) Bromobenzene	11.25	156	194282	100.855	ug/l	95
78) n-propylbenzene	11.35	91	889221	101.915	ug/l	100
79) 2-Chlorotoluene	11.42	91	528161	94.071	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	695365	102.057	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	89838	109.191	ug/l	98
82) 4-Chlorotoluene	11.51	91	615544	96.179	ug/l	100
83) tert-Butylbenzene	11.76	119	645110	96.938	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	700649	100.340	ug/l	100
85) sec-Butylbenzene	11.94	105	777027	101.459	ug/l	99
86) p-Isopropyltoluene	12.06	119	733528	101.894	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	348927	97.092	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	344246	94.338	ug/l	99
89) n-Butylbenzene	12.39	91	614886	103.314	ug/l	99
90) Hexachloroethane	12.59	117	129070	105.345	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	328281	93.950	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	60785	99.782	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	210186	94.767	ug/l	97
94) Hexachlorobutadiene	13.78	225	109124	97.038	ug/l	98
95) Naphthalene	13.83	128	678357	97.842	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	216821	97.337	ug/l	97

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

