

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012220\
 Data File : VX014681.D
 Acq On : 22 Jan 2020 10:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 1:38:57 PM

Quant Time: Jan 22 12:00:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 11:47:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	424295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	656055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	584341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	274967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	26447	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
35) Dibromofluoromethane	5.48	113	21986	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	8.71	98	81547	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
62) 4-Bromofluorobenzene	11.14	95	27722	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	19695	4.111	ug/l	95
3) Chloromethane	1.32	50	27194	4.967	ug/l	99
4) Vinyl Chloride	1.40	62	27787	4.570	ug/l	98
5) Bromomethane	1.63	94	21341	5.222	ug/l	97
6) Chloroethane	1.72	64	18762	5.187	ug/l	99
7) Trichlorofluoromethane	1.92	101	36732	5.330	ug/l	98
8) Diethyl Ether	2.18	74	16654	5.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22420	5.356	ug/l	97
10) Methyl Iodide	2.50	142	22719	4.463	ug/l	97
11) Tert butyl alcohol	3.03	59	29366	29.942	ug/l	99
12) 1,1-Dichloroethene	2.36	96	21476	5.108	ug/l	94
13) Acrolein	2.28	56	22231	27.674	ug/l	96
14) Allyl chloride	2.72	41	38185	5.133	ug/l	98
15) Acrylonitrile	3.13	53	65833	27.257	ug/l	100
16) Acetone	2.43	43	71919	27.589	ug/l	98
17) Carbon Disulfide	2.56	76	55352	4.704	ug/l	99
18) Methyl Acetate	2.76	43	37263	5.396	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	68521	5.066	ug/l	97
20) Methylene Chloride	2.85	84	27195	5.660	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	22504	4.890	ug/l	89
22) Diisopropyl ether	3.84	45	76061	5.269	ug/l	91
23) Vinyl Acetate	3.80	43	295536	26.612	ug/l	99
24) 1,1-Dichloroethane	3.69	63	42005	5.372	ug/l	96
25) 2-Butanone	4.66	43	97813	27.295	ug/l	95
26) 2,2-Dichloropropane	4.57	77	31339	4.771	ug/l	93
27) cis-1,2-Dichloroethene	4.58	96	25526	4.963	ug/l	93
28) Bromochloromethane	5.01	49	18131	5.488	ug/l	94
29) Tetrahydrofuran	5.12	42	58245	27.533	ug/l	98
30) Chloroform	5.20	83	42893	5.608	ug/l	100
31) Cyclohexane	5.57	56	36222	4.951	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	34426	5.289	ug/l	98
36) 1,1-Dichloropropene	5.79	75	29864	4.798	ug/l	94
37) Ethyl Acetate	4.82	43	35222	5.209	ug/l	99
38) Carbon Tetrachloride	5.78	117	27057	4.736	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36740	4.717	ug/l	94
40) Benzene	6.14	78	95883	5.179	ug/l	91
41) Methacrylonitrile	5.03	41	18178	5.005	ug/l	96
42) 1,2-Dichloroethane	6.18	62	33365	5.150	ug/l	89
43) Isopropyl Acetate	6.43	43	55012	5.034	ug/l	96
44) Trichloroethene	7.21	130	27564	5.207	ug/l	96
45) 1,2-Dichloropropane	7.51	63	24097	5.102	ug/l	99
46) Dibromomethane	7.65	93	16679	5.077	ug/l	98
47) Bromodichloromethane	7.89	83	30309	5.055	ug/l	93
48) Methyl methacrylate	7.76	41	26601	5.064	ug/l	97
49) 1,4-Dioxane	7.74	88	12190	111.288	ug/l #	95
51) 4-Methyl-2-Pentanone	8.64	43	178108	26.654	ug/l	98
52) Toluene	8.78	92	58131	4.926	ug/l	96
53) t-1,3-Dichloropropene	9.03	75	29636	4.278	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	33229	4.432	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	23833	5.014	ug/l	95
56) Ethyl methacrylate	9.17	69	31844	4.393	ug/l	94
57) 1,3-Dichloropropane	9.37	76	40545	5.090	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	54877	22.223	ug/l	96
59) 2-Hexanone	9.48	43	135462	25.653	ug/l	99
60) Dibromochloromethane	9.57	129	22634	4.745	ug/l	95
61) 1,2-Dibromoethane	9.67	107	25511	5.074	ug/l	98
64) Tetrachloroethene	9.33	164	29600	5.022	ug/l	95
65) Chlorobenzene	10.14	112	64117	5.030	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	22710	4.993	ug/l	96
67) Ethyl Benzene	10.25	91	105890	4.865	ug/l	97
68) m/p-Xylenes	10.35	106	79375	9.458	ug/l	99
69) o-Xylene	10.70	106	38364	4.795	ug/l	99
70) Styrene	10.71	104	61393	4.445	ug/l	99
71) Bromoform	10.85	173	16557	4.474	ug/l #	99
73) Isopropylbenzene	11.01	105	102090	5.245	ug/l	98
74) N-amyl acetate	10.89	43	40263	4.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	35807	5.702	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	30551m	5.171	ug/l	
77) Bromobenzene	11.25	156	27600	5.132	ug/l	99
78) n-propylbenzene	11.35	91	110954	4.971	ug/l	100
79) 2-Chlorotoluene	11.42	91	69342	5.211	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	79886	4.935	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	8996	4.162	ug/l #	82
82) 4-Chlorotoluene	11.51	91	76782	4.920	ug/l	99
83) tert-Butylbenzene	11.76	119	79016	5.191	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	82540	5.050	ug/l	96
85) sec-Butylbenzene	11.94	105	93321	4.919	ug/l	99
86) p-Isopropyltoluene	12.06	119	84708	4.821	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	48664	5.042	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	48743	4.940	ug/l	94
89) n-Butylbenzene	12.38	91	67651	4.228	ug/l	98
90) Hexachloroethane	12.59	117	15167	4.922	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	47065	4.967	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7653	5.480	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	27395	3.835	ug/l	98
94) Hexachlorobutadiene	13.77	225	15490	4.608	ug/l	96
95) Naphthalene	13.83	128	73686	3.619	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	28785	4.106	ug/l	97

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

