

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031820\
 Data File : VX015322.D
 Acq On : 18 Mar 2020 13:02
 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
 3/19/2020 12:00:50 PM

Quant Time: Mar 18 14:41:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	535008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	965447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	821299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	381412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	35124	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
35) Dibromofluoromethane	5.48	113	33527	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	8.71	98	110334	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	
62) 4-Bromofluorobenzene	11.13	95	44442	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	32210	6.637	ug/l	97
3) Chloromethane	1.32	50	34900	5.284	ug/l	97
4) Vinyl Chloride	1.40	62	35903	5.344	ug/l	91
5) Bromomethane	1.64	94	13346	3.530	ug/l	86
6) Chloroethane	1.72	64	21117	5.243	ug/l	93
7) Trichlorofluoromethane	1.92	101	46027	5.687	ug/l	98
8) Diethyl Ether	2.17	74	18852	5.231	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37234	7.254	ug/l	97
10) Methyl Iodide	2.50	142	27791	4.875	ug/l	98
11) Tert butyl alcohol	3.04	59	33268	29.147	ug/l #	87
12) 1,1-Dichloroethene	2.37	96	36784	6.919	ug/l	89
13) Acrolein	2.28	56	39808	37.502	ug/l	99
14) Allyl chloride	2.72	41	54123	5.906	ug/l	99
15) Acrylonitrile	3.13	53	85608	30.072	ug/l	99
16) Acetone	2.44	43	75881	29.755	ug/l	97
17) Carbon Disulfide	2.56	76	93759	6.328	ug/l	98
18) Methyl Acetate	2.76	43	36780	5.749	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	101850	6.061	ug/l	98
20) Methylene Chloride	2.84	84	43047	6.842	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	40687	6.947	ug/l	96
22) Diisopropyl ether	3.84	45	111218	6.035	ug/l	96
23) Vinyl Acetate	3.80	43	416358	27.632	ug/l	100
24) 1,1-Dichloroethane	3.69	63	65242	6.313	ug/l	99
25) 2-Butanone	4.66	43	104571	27.451	ug/l	97
26) 2,2-Dichloropropane	4.56	77	50751	6.236	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	43654	6.719	ug/l	97
28) Bromochloromethane	5.00	49	27969	6.055	ug/l	93
29) Tetrahydrofuran	5.11	42	63955	25.789	ug/l	97
30) Chloroform	5.20	83	67149	6.629	ug/l	89
31) Cyclohexane	5.56	56	54244	5.871	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	54502	6.455	ug/l	97
36) 1,1-Dichloropropene	5.79	75	47671	5.318	ug/l	94
37) Ethyl Acetate	4.82	43	41478	5.071	ug/l #	94
38) Carbon Tetrachloride	5.77	117	44696	5.267	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	53540	5.086	ug/l	97
40) Benzene	6.13	78	149571	5.598	ug/l	98
41) Methacrylonitrile	5.03	41	22274	4.554	ug/l #	90
42) 1,2-Dichloroethane	6.18	62	44431	4.953	ug/l	99
43) Isopropyl Acetate	6.43	43	61031	4.276	ug/l	96
44) Trichloroethene	7.20	130	35968	4.876	ug/l	97
45) 1,2-Dichloropropane	7.50	63	32094	4.688	ug/l	95
46) Dibromomethane	7.65	93	24491	5.445	ug/l	96
47) Bromodichloromethane	7.89	83	42727	4.827	ug/l	98
48) Methyl methacrylate	7.76	41	27732	3.814	ug/l	95
49) 1,4-Dioxane	7.75	88	14688	90.293	ug/l #	93
51) 4-Methyl-2-Pentanone	8.63	43	172580	20.361	ug/l	100
52) Toluene	8.78	92	84445	5.169	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	43311	4.626	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	50506	4.739	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	35991	5.339	ug/l	97
56) Ethyl methacrylate	9.17	69	41908	4.410	ug/l	98
57) 1,3-Dichloropropane	9.36	76	61189	5.422	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	132993	25.753	ug/l	99
59) 2-Hexanone	9.48	43	127594	20.346	ug/l	95
60) Dibromochloromethane	9.57	129	33594	4.776	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36135	5.079	ug/l	93
64) Tetrachloroethene	9.32	164	32340	4.861	ug/l	95
65) Chlorobenzene	10.13	112	92842	5.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	34819	5.595	ug/l	99
67) Ethyl Benzene	10.25	91	167568	5.934	ug/l	96
68) m/p-Xylenes	10.35	106	121491	11.283	ug/l	99
69) o-Xylene	10.70	106	54490	5.284	ug/l	98
70) Styrene	10.71	104	89887	5.084	ug/l	99
71) Bromoform	10.85	173	19527	4.118	ug/l #	98
73) Isopropylbenzene	11.01	105	155728	6.255	ug/l	98
74) N-amyl acetate	10.89	43	46077	4.535	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	47153	5.707	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	39932m	5.330	ug/l	
77) Bromobenzene	11.25	156	34562	5.063	ug/l	98
78) n-propylbenzene	11.35	91	177967	6.304	ug/l	100
79) 2-Chlorotoluene	11.42	91	108714	6.427	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	127635	6.194	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12763	4.674	ug/l	87
82) 4-Chlorotoluene	11.51	91	123649	6.194	ug/l	100
83) tert-Butylbenzene	11.76	119	121926	6.105	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	129502	6.203	ug/l	100
85) sec-Butylbenzene	11.94	105	156619	6.442	ug/l	100
86) p-Isopropyltoluene	12.06	119	132364	5.945	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	67356	5.556	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	72827	5.834	ug/l	95
89) n-Butylbenzene	12.38	91	124546	6.269	ug/l	97
90) Hexachloroethane	12.59	117	24995	5.938	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	68517	5.654	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	8919	5.453	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39247	4.821	ug/l	98
94) Hexachlorobutadiene	13.77	225	17991	4.442	ug/l	95
95) Naphthalene	13.83	128	121455	5.253	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40901	5.045	ug/l	99

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

