

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031820\
 Data File : VX015323.D
 Acq On : 18 Mar 2020 13:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 12:00:51 PM

Quant Time: Mar 18 14:37:51 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	571079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	969203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	915854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	399182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	140623	20.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.04%	
35) Dibromofluoromethane	5.49	113	132075	21.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.98%	
50) Toluene-d8	8.71	98	487798	20.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.88%	
62) 4-Bromofluorobenzene	11.13	95	162825	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	114178	22.040	ug/l	99
3) Chloromethane	1.32	50	123987	17.586	ug/l	96
4) Vinyl Chloride	1.40	62	125961	17.565	ug/l	97
5) Bromomethane	1.64	94	66640	16.515	ug/l	98
6) Chloroethane	1.72	64	78841	18.340	ug/l	97
7) Trichlorofluoromethane	1.93	101	165874	19.202	ug/l	100
8) Diethyl Ether	2.18	74	67072	17.434	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	123517	22.544	ug/l	96
10) Methyl Iodide	2.50	142	131333	21.583	ug/l	98
11) Tert butyl alcohol	3.03	59	121853	100.016	ug/l	100
12) 1,1-Dichloroethene	2.37	96	132554	23.358	ug/l	96
13) Acrolein	2.29	56	117347	103.568	ug/l	98
14) Allyl chloride	2.72	41	191646	19.592	ug/l	98
15) Acrylonitrile	3.13	53	332151	109.306	ug/l	100
16) Acetone	2.44	43	268470	98.626	ug/l	98
17) Carbon Disulfide	2.56	76	354010	22.383	ug/l	99
18) Methyl Acetate	2.76	43	135170	19.795	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	382319	21.316	ug/l	98
20) Methylene Chloride	2.85	84	150668	22.434	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	142177	22.741	ug/l	97
22) Diisopropyl ether	3.84	45	401210	20.395	ug/l	95
23) Vinyl Acetate	3.80	43	1618091	100.604	ug/l	98
24) 1,1-Dichloroethane	3.69	63	230135	20.861	ug/l	99
25) 2-Butanone	4.66	43	418705	102.972	ug/l	99
26) 2,2-Dichloropropane	4.58	77	178694	20.571	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	159118	22.942	ug/l	98
28) Bromochloromethane	5.01	49	110069	22.322	ug/l	97
29) Tetrahydrofuran	5.12	42	267214	100.946	ug/l	99
30) Chloroform	5.20	83	235008	21.734	ug/l	99
31) Cyclohexane	5.58	56	199454	20.225	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	196910	21.849	ug/l	97
36) 1,1-Dichloropropene	5.79	75	175382	19.488	ug/l	99
37) Ethyl Acetate	4.82	43	164265	20.006	ug/l	99
38) Carbon Tetrachloride	5.78	117	171930	20.181	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	193800	18.337	ug/l	96
40) Benzene	6.14	78	549075	20.472	ug/l	99
41) Methacrylonitrile	5.03	41	92334	18.804	ug/l	96
42) 1,2-Dichloroethane	6.18	62	169184	18.787	ug/l	100
43) Isopropyl Acetate	6.43	43	248144	17.318	ug/l	100
44) Trichloroethene	7.20	130	141438	19.099	ug/l	99
45) 1,2-Dichloropropane	7.51	63	131612	19.150	ug/l	99
46) Dibromomethane	7.65	93	88778	19.663	ug/l	99
47) Bromodichloromethane	7.89	83	157568	17.732	ug/l	97
48) Methyl methacrylate	7.76	41	108124	14.814	ug/l	96
49) 1,4-Dioxane	7.75	88	59332	363.324	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	792086	93.089	ug/l	99
52) Toluene	8.78	92	344986	21.034	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	182537	19.419	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	197355	18.446	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	141340	20.887	ug/l	97
56) Ethyl methacrylate	9.17	69	183663	19.254	ug/l	98
57) 1,3-Dichloropropane	9.37	76	226712	20.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	488254	94.178	ug/l	99
59) 2-Hexanone	9.48	43	578258	91.851	ug/l	99
60) Dibromochloromethane	9.57	129	132829	18.811	ug/l	100
61) 1,2-Dibromoethane	9.67	107	137028	19.186	ug/l	99
64) Tetrachloroethene	9.33	164	129477	17.453	ug/l	98
65) Chlorobenzene	10.14	112	367694	19.794	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	123489	17.795	ug/l	99
67) Ethyl Benzene	10.25	91	629451	19.991	ug/l	99
68) m/p-Xylenes	10.35	106	496708	41.366	ug/l	98
69) o-Xylene	10.70	106	238193	20.712	ug/l	100
70) Styrene	10.71	104	401082	20.344	ug/l	99
71) Bromoform	10.85	173	76267	14.422	ug/l #	96
73) Isopropylbenzene	11.01	105	614428	23.580	ug/l	97
74) N-amyl acetate	10.89	43	195357	18.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	185028	21.399	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	177233m	22.602	ug/l	
77) Bromobenzene	11.25	156	129738	18.159	ug/l	95
78) n-propylbenzene	11.35	91	694769	23.514	ug/l	98
79) 2-Chlorotoluene	11.42	91	417702	23.596	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	489904	22.717	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56498	19.767	ug/l	94
82) 4-Chlorotoluene	11.51	91	467278	22.365	ug/l	100
83) tert-Butylbenzene	11.76	119	474098	22.683	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	521000	23.844	ug/l	100
85) sec-Butylbenzene	11.94	105	549940	21.614	ug/l	99
86) p-Isopropyltoluene	12.06	119	495567	21.267	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	248457	19.583	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	257300	19.694	ug/l	98
89) n-Butylbenzene	12.39	91	469329	22.574	ug/l	98
90) Hexachloroethane	12.59	117	85715	19.456	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	249962	19.707	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	36019	21.043	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	158707	18.627	ug/l	98
94) Hexachlorobutadiene	13.78	225	65458	15.441	ug/l	95
95) Naphthalene	13.83	128	540531	22.337	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	135380	15.956	ug/l	99

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

