

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030420\
 Data File : VX015081.D
 Acq On : 04 Mar 2020 09:24
 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
 3/5/2020 12:32:26 PM

Quant Time: Mar 04 13:58:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 13:12:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	400158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	609320	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	562926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	285517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	92925	19.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.14%	
35) Dibromofluoromethane	5.49	113	75308	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	
50) Toluene-d8	8.71	98	289408	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	
62) 4-Bromofluorobenzene	11.13	95	102608	19.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	67329	19.215	ug/l	100
3) Chloromethane	1.32	50	96958	19.534	ug/l	99
4) Vinyl Chloride	1.40	62	98211	19.513	ug/l	99
5) Bromomethane	1.64	94	59777	19.319	ug/l	99
6) Chloroethane	1.72	64	60118	19.912	ug/l	97
7) Trichlorofluoromethane	1.93	101	117979	19.700	ug/l	95
8) Diethyl Ether	2.18	74	52805	19.263	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71062	18.860	ug/l	97
10) Methyl Iodide	2.51	142	81146	19.062	ug/l	99
11) Tert butyl alcohol	3.05	59	77528	94.126	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73859	18.994	ug/l	99
13) Acrolein	2.29	56	71598	92.498	ug/l	99
14) Allyl chloride	2.72	41	129835	19.148	ug/l	98
15) Acrylonitrile	3.14	53	201103	98.039	ug/l	100
16) Acetone	2.44	43	193445	100.617	ug/l	98
17) Carbon Disulfide	2.56	76	207922	19.254	ug/l	100
18) Methyl Acetate	2.76	43	87580	18.630	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	240813	19.817	ug/l	98
20) Methylene Chloride	2.85	84	83310	18.516	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	79316	19.102	ug/l	98
22) Diisopropyl ether	3.84	45	268472	19.874	ug/l	95
23) Vinyl Acetate	3.81	43	1118345	100.712	ug/l	100
24) 1,1-Dichloroethane	3.69	63	147034	19.611	ug/l	99
25) 2-Butanone	4.66	43	287972	102.311	ug/l	100
26) 2,2-Dichloropropane	4.58	77	114905	19.306	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	89874	19.294	ug/l	98
28) Bromochloromethane	5.01	49	74527	21.829	ug/l	94
29) Tetrahydrofuran	5.12	42	178649	98.463	ug/l	98
30) Chloroform	5.20	83	141291	19.335	ug/l	99
31) Cyclohexane	5.58	56	128173	19.166	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	118669	19.590	ug/l	99
36) 1,1-Dichloropropene	5.79	75	108659	19.277	ug/l	98
37) Ethyl Acetate	4.82	43	108952	20.842	ug/l	99
38) Carbon Tetrachloride	5.78	117	102363	19.239	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129496	19.676	ug/l	99
40) Benzene	6.14	78	331991	19.853	ug/l	99
41) Methacrylonitrile	5.03	41	60949	21.023	ug/l	98
42) 1,2-Dichloroethane	6.18	62	116043	20.207	ug/l	100
43) Isopropyl Acetate	6.43	43	179524	19.519	ug/l	99
44) Trichloroethene	7.21	130	89599	19.239	ug/l	99
45) 1,2-Dichloropropane	7.51	63	85239	19.693	ug/l	98
46) Dibromomethane	7.65	93	53936	19.123	ug/l	98
47) Bromodichloromethane	7.89	83	106758	19.142	ug/l	96
48) Methyl methacrylate	7.76	41	88646	18.935	ug/l	99
49) 1,4-Dioxane	7.75	88	38461	380.881	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	548614	100.891	ug/l	100
52) Toluene	8.78	92	203982	19.951	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	118050	19.758	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	131496	19.594	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	82856	19.688	ug/l	99
56) Ethyl methacrylate	9.17	69	122269	20.372	ug/l	98
57) 1,3-Dichloropropane	9.37	76	141047	19.922	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	319664	97.756	ug/l	100
59) 2-Hexanone	9.48	43	417047	103.482	ug/l	100
60) Dibromochloromethane	9.57	129	85999	19.453	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85533	19.350	ug/l	100
64) Tetrachloroethene	9.33	164	92984	19.978	ug/l	97
65) Chlorobenzene	10.14	112	220829	19.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	81738	19.180	ug/l	98
67) Ethyl Benzene	10.25	91	382735	19.943	ug/l	99
68) m/p-Xylenes	10.35	106	295425	40.460	ug/l	100
69) o-Xylene	10.70	106	137381	19.652	ug/l	98
70) Styrene	10.71	104	237966	19.853	ug/l	99
71) Bromoform	10.85	173	62546	18.927	ug/l #	99
73) Isopropylbenzene	11.01	105	370918	20.336	ug/l	99
74) N-amyl acetate	10.89	43	150464	19.575	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	119390	19.642	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	113212m	20.204	ug/l	
77) Bromobenzene	11.25	156	98161	19.312	ug/l	99
78) n-propylbenzene	11.35	91	426340	20.460	ug/l	99
79) 2-Chlorotoluene	11.42	91	252918	20.324	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	311619	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37778	18.825	ug/l	96
82) 4-Chlorotoluene	11.51	91	294898	20.059	ug/l	99
83) tert-Butylbenzene	11.76	119	298560	20.336	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	313071	20.525	ug/l	99
85) sec-Butylbenzene	11.94	105	362927	20.478	ug/l	99
86) p-Isopropyltoluene	12.06	119	333005	20.394	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	174417	19.519	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	176001	19.512	ug/l	99
89) n-Butylbenzene	12.39	91	288999	19.900	ug/l	100
90) Hexachloroethane	12.59	117	57878	18.750	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	175089	19.709	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	24400	20.047	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	118645	19.240	ug/l	98
94) Hexachlorobutadiene	13.78	225	60284	19.051	ug/l	98
95) Naphthalene	13.83	128	347160	20.596	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	121838	19.802	ug/l	99

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

