

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050420\
 Data File : VX016031.D
 Acq On : 04 May 2020 12:25
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:35:20 AM

Quant Time: May 04 13:34:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 13:19:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	338965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	539654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	495314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	87510	16.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.88%	
35) Dibromofluoromethane	5.47	113	66826	17.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.04%	
50) Toluene-d8	8.70	98	260919	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
62) 4-Bromofluorobenzene	11.12	95	95807	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	64639	18.100	ug/l	99
3) Chloromethane	1.32	50	73640	17.239	ug/l	99
4) Vinyl Chloride	1.39	62	79890	17.755	ug/l	99
5) Bromomethane	1.63	94	51398	18.834	ug/l	98
6) Chloroethane	1.71	64	49026	17.385	ug/l	98
7) Trichlorofluoromethane	1.92	101	103786	17.640	ug/l	100
8) Diethyl Ether	2.17	74	43690	17.539	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59177	17.478	ug/l	97
10) Methyl Iodide	2.49	142	78018	18.030	ug/l	99
11) Tert butyl alcohol	3.01	59	100028	90.573	ug/l	99
12) 1,1-Dichloroethene	2.36	96	61916	17.453	ug/l	98
13) Acrolein	2.27	56	58884	86.989	ug/l	98
14) Allyl chloride	2.71	41	113648	17.540	ug/l	99
15) Acrylonitrile	3.12	53	202842	86.978	ug/l	100
16) Acetone	2.42	43	174604	87.327	ug/l	99
17) Carbon Disulfide	2.55	76	191541	15.103	ug/l	100
18) Methyl Acetate	2.75	43	86325	17.524	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	216858	17.925	ug/l	98
20) Methylene Chloride	2.84	84	70071	16.601	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	66439	16.665	ug/l	97
22) Diisopropyl ether	3.82	45	215598	17.626	ug/l	99
23) Vinyl Acetate	3.79	43	956130	90.303	ug/l	100
24) 1,1-Dichloroethane	3.67	63	120397	17.649	ug/l	100
25) 2-Butanone	4.64	43	283898	89.872	ug/l	100
26) 2,2-Dichloropropane	4.56	77	109921	17.414	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	74801	17.431	ug/l	100
28) Bromochloromethane	4.98	49	54999	17.796	ug/l	100
29) Tetrahydrofuran	5.09	42	188253	89.493	ug/l	100
30) Chloroform	5.18	83	120525	17.731	ug/l	100
31) Cyclohexane	5.56	56	109936	17.272	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	109385	17.725	ug/l	100
36) 1,1-Dichloropropene	5.77	75	92222	17.121	ug/l	98
37) Ethyl Acetate	4.79	43	110218	17.968	ug/l	99
38) Carbon Tetrachloride	5.76	117	95807	17.699	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	111734	17.394	ug/l	98
40) Benzene	6.12	78	273365	17.340	ug/l	100
41) Methacrylonitrile	5.01	41	58209	17.571	ug/l	99
42) 1,2-Dichloroethane	6.17	62	98001	17.209	ug/l	100
43) Isopropyl Acetate	6.42	43	174906	17.919	ug/l	100
44) Trichloroethene	7.19	130	99401	17.051	ug/l	100
45) 1,2-Dichloropropane	7.49	63	70262	17.748	ug/l	100
46) Dibromomethane	7.64	93	46471	17.263	ug/l	100
47) Bromodichloromethane	7.88	83	94233	17.435	ug/l	99
48) Methyl methacrylate	7.74	41	81576	17.761	ug/l	99
49) 1,4-Dioxane	7.71	88	39734	357.675	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	538476	90.609	ug/l	100
52) Toluene	8.77	92	171844	17.692	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	112129	17.338	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	117394	17.277	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	66556	17.535	ug/l	98
56) Ethyl methacrylate	9.16	69	108438	18.058	ug/l	99
57) 1,3-Dichloropropane	9.35	76	117347	17.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	295918	90.465	ug/l	100
59) 2-Hexanone	9.47	43	420097	90.203	ug/l	99
60) Dibromochloromethane	9.57	129	72130	17.637	ug/l	98
61) 1,2-Dibromoethane	9.65	107	71640	17.455	ug/l	99
64) Tetrachloroethene	9.32	164	109850	17.464	ug/l	97
65) Chlorobenzene	10.12	112	180522	17.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	66962	17.525	ug/l	99
67) Ethyl Benzene	10.24	91	325000	17.395	ug/l	100
68) m/p-Xylenes	10.34	106	242895	35.005	ug/l	98
69) o-Xylene	10.68	106	117600	17.709	ug/l	100
70) Styrene	10.70	104	193315	17.486	ug/l	99
71) Bromoform	10.84	173	52899	17.791	ug/l #	98
73) Isopropylbenzene	11.00	105	315958	17.628	ug/l	100
74) N-amyl acetate	10.88	43	145125	17.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	49984	19.106	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	97740m	13.864	ug/l	
77) Bromobenzene	11.24	156	79529	17.170	ug/l	98
78) n-propylbenzene	11.34	91	358791	17.254	ug/l	100
79) 2-Chlorotoluene	11.41	91	211561	17.202	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	262505	17.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	39441	17.483	ug/l	96
82) 4-Chlorotoluene	11.49	91	247064	17.114	ug/l	100
83) tert-Butylbenzene	11.76	119	224185	17.443	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	264951	17.523	ug/l	100
85) sec-Butylbenzene	11.93	105	302376	17.344	ug/l	100
86) p-Isopropyltoluene	12.05	119	284241	17.626	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	137351	16.502	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	140852	16.902	ug/l	99
89) n-Butylbenzene	12.37	91	248345	16.924	ug/l	99
90) Hexachloroethane	12.58	117	47036	17.551	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	137435	17.211	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	23943	16.605	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	97459	16.550	ug/l	98
94) Hexachlorobutadiene	13.77	225	44249	15.999	ug/l	98
95) Naphthalene	13.82	128	325048	17.145	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	96333	16.719	ug/l	100

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

