

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016448.D
 Acq On : 27 May 2020 15:05
 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
 5/28/2020 2:10:22 PM

Quant Time: May 27 16:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	300235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	468683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	71301	18.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.06%	
35) Dibromofluoromethane	5.47	113	54806	18.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.76%	
50) Toluene-d8	8.70	98	216397	18.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.58%	
62) 4-Bromofluorobenzene	11.12	95	79165	18.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	57036	18.028	ug/l	94
3) Chloromethane	1.31	50	65833	17.900	ug/l	99
4) Vinyl Chloride	1.39	62	70988	18.055	ug/l	98
5) Bromomethane	1.63	94	39288	20.076	ug/l	98
6) Chloroethane	1.71	64	43023	18.161	ug/l	98
7) Trichlorofluoromethane	1.92	101	95921	18.589	ug/l	100
8) Diethyl Ether	2.17	74	37381	17.268	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51884	17.563	ug/l	99
10) Methyl Iodide	2.49	142	49221	12.913	ug/l	98
11) Tert butyl alcohol	3.01	59	87428	87.770	ug/l	99
12) 1,1-Dichloroethene	2.36	96	53574	17.318	ug/l	96
13) Acrolein	2.27	56	33125	56.999	ug/l	100
14) Allyl chloride	2.71	41	98906	17.378	ug/l	99
15) Acrylonitrile	3.12	53	186755	90.074	ug/l	99
16) Acetone	2.42	43	154031	87.701	ug/l	98
17) Carbon Disulfide	2.55	76	162710	15.462	ug/l	99
18) Methyl Acetate	2.75	43	81179	18.649	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	196482	18.257	ug/l	97
20) Methylene Chloride	2.83	84	63501	17.520	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	61101	17.606	ug/l	99
22) Diisopropyl ether	3.82	45	197444	18.269	ug/l	96
23) Vinyl Acetate	3.79	43	867620	91.365	ug/l	100
24) 1,1-Dichloroethane	3.67	63	112825	18.671	ug/l	99
25) 2-Butanone	4.64	43	264276	92.705	ug/l	99
26) 2,2-Dichloropropane	4.55	77	89385	16.543	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	67813	17.828	ug/l	97
28) Bromochloromethane	4.98	49	53932	19.656	ug/l	100
29) Tetrahydrofuran	5.09	42	174754	92.635	ug/l	100
30) Chloroform	5.18	83	113051	18.799	ug/l	95
31) Cyclohexane	5.55	56	98038	18.044	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	101060	18.468	ug/l	100
36) 1,1-Dichloropropene	5.77	75	83947	18.159	ug/l	99
37) Ethyl Acetate	4.80	43	99812	18.599	ug/l	98
38) Carbon Tetrachloride	5.76	117	89776	19.045	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	90148	16.499	ug/l	99
40) Benzene	6.12	78	254829	18.798	ug/l	99
41) Methacrylonitrile	5.00	41	54225	18.747	ug/l	100
42) 1,2-Dichloroethane	6.17	62	89112	18.274	ug/l	100
43) Isopropyl Acetate	6.42	43	155723	18.230	ug/l	99
44) Trichloroethene	7.19	130	80669	17.058	ug/l	98
45) 1,2-Dichloropropane	7.49	63	65124	19.015	ug/l	100
46) Dibromomethane	7.64	93	43506	18.696	ug/l	98
47) Bromodichloromethane	7.88	83	89179	18.807	ug/l	97
48) Methyl methacrylate	7.74	41	73747	18.166	ug/l	98
49) 1,4-Dioxane	7.71	88	34502	355.381	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	505908	96.487	ug/l	99
52) Toluene	8.77	92	161384	19.101	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	100427	17.827	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	106875	18.151	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	62999	18.971	ug/l	99
56) Ethyl methacrylate	9.16	69	101583	18.690	ug/l	99
57) 1,3-Dichloropropane	9.35	76	110164	18.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	268049	93.196	ug/l	100
59) 2-Hexanone	9.48	43	388833	94.289	ug/l	99
60) Dibromochloromethane	9.57	129	71288	19.413	ug/l	99
61) 1,2-Dibromoethane	9.65	107	67441	18.803	ug/l	100
64) Tetrachloroethene	9.32	164	94864	18.026	ug/l	98
65) Chlorobenzene	10.12	112	167507	18.433	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	64114	19.055	ug/l	98
67) Ethyl Benzene	10.24	91	299707	18.494	ug/l	98
68) m/p-Xylenes	10.34	106	223145	36.836	ug/l	99
69) o-Xylene	10.68	106	106176	18.249	ug/l	100
70) Styrene	10.70	104	183909	18.543	ug/l	100
71) Bromoform	10.84	173	51569	18.667	ug/l #	96
73) Isopropylbenzene	11.00	105	282918	18.541	ug/l	100
74) N-amyl acetate	10.88	43	129656	18.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	66429	23.348	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	89452m	18.758	ug/l	
77) Bromobenzene	11.24	156	72565	18.352	ug/l	99
78) n-propylbenzene	11.34	91	317081	17.906	ug/l	99
79) 2-Chlorotoluene	11.40	91	193317	18.399	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	237134	18.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	33725	17.062	ug/l	97
82) 4-Chlorotoluene	11.49	91	226481	18.268	ug/l	99
83) tert-Butylbenzene	11.76	119	196999	17.704	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	239580	18.369	ug/l	100
85) sec-Butylbenzene	11.93	105	252979	17.085	ug/l	99
86) p-Isopropyltoluene	12.05	119	231967	16.842	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	126946	17.932	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	129477	18.019	ug/l	98
89) n-Butylbenzene	12.37	91	193211	15.494	ug/l	100
90) Hexachloroethane	12.58	117	40294	17.091	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	124394	18.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	23033	18.331	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	78362	15.679	ug/l	98
94) Hexachlorobutadiene	13.77	225	29845	13.265	ug/l	97
95) Naphthalene	13.82	128	277641	17.093	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	80469	16.598	ug/l	98

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

