

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017482.D
 Acq On : 23 Jul 2020 09:45
 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
 7/24/2020 1:00:49 PM

Quant Time: Jul 23 11:58:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 23 11:43:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	624593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	949219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	921391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	498443	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	43652	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
35) Dibromofluoromethane	5.46	113	34359	5.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.68%	
50) Toluene-d8	8.70	98	118032	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
62) 4-Bromofluorobenzene	11.12	95	49325	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	38160	7.200	ug/l	99
3) Chloromethane	1.31	50	45474	7.288	ug/l	93
4) Vinyl Chloride	1.39	62	44547	7.296	ug/l	93
5) Bromomethane	1.62	94	29268	7.434	ug/l	96
6) Chloroethane	1.71	64	25058	6.533	ug/l	99
7) Trichlorofluoromethane	1.92	101	70301	6.939	ug/l	93
8) Diethyl Ether	2.17	74	24619	6.743	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37371	6.446	ug/l	94
10) Methyl Iodide	2.49	142	44758	6.241	ug/l	98
11) Tert butyl alcohol	3.01	59	43619	30.870	ug/l	97
12) 1,1-Dichloroethene	2.36	96	36780	6.335	ug/l	93
13) Acrolein	2.27	56	18584	22.064	ug/l	99
14) Allyl chloride	2.70	41	68341	6.695	ug/l	99
15) Acrylonitrile	3.11	53	97881	29.554	ug/l	98
16) Acetone	2.42	43	93415	31.761	ug/l	98
17) Carbon Disulfide	2.55	76	114087	6.730	ug/l	100
18) Methyl Acetate	2.75	43	43732	6.027	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	121690	6.154	ug/l	99
20) Methylene Chloride	2.83	84	43087	6.186	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	38936	5.938	ug/l	91
22) Diisopropyl ether	3.82	45	122497	6.446	ug/l #	88
23) Vinyl Acetate	3.78	43	522744	31.082	ug/l	99
24) 1,1-Dichloroethane	3.67	63	69664	6.258	ug/l	97
25) 2-Butanone	4.64	43	119287	26.216	ug/l	98
26) 2,2-Dichloropropane	4.54	77	61869	6.007	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	41745	5.850	ug/l	93
28) Bromochloromethane	4.98	49	28248	5.500	ug/l	95
29) Tetrahydrofuran	5.09	42	75425	25.702	ug/l	96
30) Chloroform	5.17	83	70036	5.888	ug/l	91
31) Cyclohexane	5.54	56	53936	5.962	ug/l	92
32) 1,1,1-Trichloroethane	5.45	97	66319	6.028	ug/l	99
36) 1,1-Dichloropropene	5.76	75	50277	5.779	ug/l	97
37) Ethyl Acetate	4.79	43	49344	5.311	ug/l	94
38) Carbon Tetrachloride	5.76	117	61111	5.979	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	56812	6.003	ug/l	96
40) Benzene	6.11	78	134552	5.362	ug/l	96
41) Methacrylonitrile	4.99	41	28433	5.729	ug/l	96
42) 1,2-Dichloroethane	6.15	62	55103	5.587	ug/l	95
43) Isopropyl Acetate	6.41	43	81795	5.440	ug/l #	96
44) Trichloroethene	7.18	130	41042	5.407	ug/l	98
45) 1,2-Dichloropropane	7.49	63	36888	5.744	ug/l #	88
46) Dibromomethane	7.64	93	24660	5.333	ug/l	96
47) Bromodichloromethane	7.87	83	54317	5.621	ug/l	91
48) Methyl methacrylate	7.74	41	38714	5.515	ug/l	96
49) 1,4-Dioxane	7.71	88	14200	100.407	ug/l	89
51) 4-Methyl-2-Pentanone	8.62	43	240948	26.810	ug/l	99
52) Toluene	8.76	92	88019	5.505	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	62631	5.923	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	61251	5.511	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	36051	5.348	ug/l	86
56) Ethyl methacrylate	9.15	69	50505	5.213	ug/l	97
57) 1,3-Dichloropropane	9.35	76	59661	5.313	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	140683	28.644	ug/l	100
59) 2-Hexanone	9.47	43	177413	26.030	ug/l	97
60) Dibromochloromethane	9.56	129	43892	5.300	ug/l	97
61) 1,2-Dibromoethane	9.65	107	38651	5.259	ug/l	100
64) Tetrachloroethene	9.32	164	43091	5.407	ug/l	94
65) Chlorobenzene	10.12	112	100627	5.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	39311	5.233	ug/l	96
67) Ethyl Benzene	10.23	91	166967	5.335	ug/l	94
68) m/p-Xylenes	10.34	106	131336	10.986	ug/l	96
69) o-Xylene	10.68	106	60022	5.255	ug/l	99
70) Styrene	10.70	104	100944	5.139	ug/l	98
71) Bromoform	10.84	173	32539	5.092	ug/l	97
73) Isopropylbenzene	11.00	105	182429	5.805	ug/l	100
74) N-amyl acetate	10.88	43	77516	5.977	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	56495	5.893	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	53944m	5.770	ug/l	
77) Bromobenzene	11.24	156	50329	5.619	ug/l	99
78) n-propylbenzene	11.34	91	201370	5.720	ug/l	99
79) 2-Chlorotoluene	11.40	91	121192	5.570	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	143572	5.347	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	20517	5.543	ug/l	96
82) 4-Chlorotoluene	11.49	91	143422	5.554	ug/l	98
83) tert-Butylbenzene	11.76	119	142950	5.533	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	142242	5.266	ug/l	100
85) sec-Butylbenzene	11.93	105	160943	5.332	ug/l	99
86) p-Isopropyltoluene	12.05	119	160445	5.606	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	83471	5.219	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	88488	5.470	ug/l	97
89) n-Butylbenzene	12.37	91	137336	5.591	ug/l	98
90) Hexachloroethane	12.58	117	30200	5.530	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	82908	5.505	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	12390	4.805	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	52807	5.010	ug/l	95
94) Hexachlorobutadiene	13.76	225	23248	5.296	ug/l	96
95) Naphthalene	13.82	128	143885	4.613	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	51487	5.027	ug/l	97

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

