

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016447.D
 Acq On : 27 May 2020 14:42
 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
 5/28/2020 2:10:20 PM

Quant Time: May 27 16:06:06 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	5.64	168	302926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	475983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	19597	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
35) Dibromofluoromethane	5.46	113	15211	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
50) Toluene-d8	8.70	98	55460	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
62) 4-Bromofluorobenzene	11.12	95	22043	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	14703	4.606	ug/l 97
3) Chloromethane	1.31	50	18858	5.082	ug/l 98
4) Vinyl Chloride	1.39	62	19492	4.913	ug/l 96
5) Bromomethane	1.62	94	9461	4.792	ug/l 96
6) Chloroethane	1.70	64	11645	4.872	ug/l 95
7) Trichlorofluoromethane	1.91	101	26400	5.071	ug/l 100
8) Diethyl Ether	2.17	74	11007	5.039	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	14382	4.825	ug/l 97
10) Methyl Iodide	2.49	142	10878	2.828	ug/l 100
11) Tert butyl alcohol	3.02	59	24592	24.469	ug/l 100
12) 1,1-Dichloroethene	2.36	96	15163	4.858	ug/l 95
13) Acrolein	2.27	56	11279	19.236	ug/l 94
14) Allyl chloride	2.71	41	27166	4.731	ug/l 99
15) Acrylonitrile	3.12	53	50888	24.326	ug/l 98
16) Acetone	2.42	43	43325	24.449	ug/l 98
17) Carbon Disulfide	2.55	76	43907	4.135	ug/l 99
18) Methyl Acetate	2.75	43	22053	5.021	ug/l 99
19) Methyl tert-butyl Ether	3.17	73	52143	4.802	ug/l 100
20) Methylene Chloride	2.83	84	18295	5.003	ug/l 97
21) trans-1,2-Dichloroethene	3.14	96	16510	4.715	ug/l 95
22) Diisopropyl ether	3.82	45	53156	4.875	ug/l 93
23) Vinyl Acetate	3.79	43	225098	23.493	ug/l 99
24) 1,1-Dichloroethane	3.67	63	29775	4.884	ug/l 100
25) 2-Butanone	4.64	43	70309	24.444	ug/l 97
26) 2,2-Dichloropropane	4.55	77	25072	4.599	ug/l 100
27) cis-1,2-Dichloroethene	4.57	96	19576	5.101	ug/l 96
28) Bromochloromethane	4.98	49	13528	4.887	ug/l 99
29) Tetrahydrofuran	5.09	42	45409	23.857	ug/l 99
30) Chloroform	5.18	83	30108	4.962	ug/l 99
31) Cyclohexane	5.55	56	26358	4.808	ug/l 96
32) 1,1,1-Trichloroethane	5.46	97	27994	5.070	ug/l 98
36) 1,1-Dichloropropene	5.77	75	22457	4.783	ug/l 97
37) Ethyl Acetate	4.80	43	26613	4.883	ug/l 98
38) Carbon Tetrachloride	5.76	117	23729	4.957	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	23525	4.239	ug/l	96
40) Benzene	6.11	78	68902	5.005	ug/l	98
41) Methacrylonitrile	5.00	41	15313	5.213	ug/l	95
42) 1,2-Dichloroethane	6.17	62	24805	5.009	ug/l	99
43) Isopropyl Acetate	6.42	43	42825	4.937	ug/l	99
44) Trichloroethene	7.19	130	23113	4.812	ug/l	91
45) 1,2-Dichloropropane	7.49	63	17227	4.953	ug/l	100
46) Dibromomethane	7.63	93	12016	5.084	ug/l	98
47) Bromodichloromethane	7.87	83	24076	5.000	ug/l	91
48) Methyl methacrylate	7.75	41	19511	4.732	ug/l	99
49) 1,4-Dioxane	7.71	88	9667	98.046	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	131243	24.647	ug/l	100
52) Toluene	8.77	92	42773	4.985	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	26736	4.673	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	28641	4.790	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	17190	5.097	ug/l	96
56) Ethyl methacrylate	9.16	69	25833	4.680	ug/l	99
57) 1,3-Dichloropropane	9.35	76	29527	5.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	67032	22.948	ug/l	99
59) 2-Hexanone	9.48	43	101263	24.179	ug/l	100
60) Dibromochloromethane	9.57	129	18998	5.094	ug/l	99
61) 1,2-Dibromoethane	9.65	107	18492	5.077	ug/l	96
64) Tetrachloroethene	9.32	164	27132	5.118	ug/l	98
65) Chlorobenzene	10.12	112	45861	5.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	17343	5.117	ug/l	97
67) Ethyl Benzene	10.24	91	79923	4.896	ug/l	99
68) m/p-Xylenes	10.34	106	59830	9.804	ug/l	99
69) o-Xylene	10.68	106	28986	4.945	ug/l	96
70) Styrene	10.70	104	47710	4.775	ug/l	98
71) Bromoform	10.84	173	13969	5.019	ug/l #	98
73) Isopropylbenzene	11.00	105	75529	4.926	ug/l	98
74) N-amyl acetate	10.88	43	32418	4.533	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	16870	5.901	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	25218m	5.263	ug/l	
77) Bromobenzene	11.24	156	19816	4.988	ug/l	99
78) n-propylbenzene	11.34	91	82055	4.612	ug/l	99
79) 2-Chlorotoluene	11.40	91	51188	4.849	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	61914	4.776	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	9212	4.638	ug/l	98
82) 4-Chlorotoluene	11.49	91	59681	4.791	ug/l	99
83) tert-Butylbenzene	11.76	119	52688	4.713	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	61096	4.662	ug/l	99
85) sec-Butylbenzene	11.93	105	66154	4.446	ug/l	98
86) p-Isopropyltoluene	12.05	119	61149	4.419	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	34244	4.814	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	34407	4.766	ug/l	91
89) n-Butylbenzene	12.37	91	49282	3.933	ug/l	100
90) Hexachloroethane	12.58	117	10499	4.432	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	33739	4.929	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5918	4.688	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	20894	4.161	ug/l	99
94) Hexachlorobutadiene	13.77	225	8536	3.776	ug/l	98
95) Naphthalene	13.82	128	71107	4.357	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	20325	4.173	ug/l	99

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

