

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009905.D
 Acq On : 28 May 2019 10:44
 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
 5/29/2019 9:24:46 AM

Quant Time: May 29 03:55:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	46780	19.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.92%	
35) Dibromofluoromethane	5.50	113	34537	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
50) Toluene-d8	8.71	98	138797	19.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.98%	
62) 4-Bromofluorobenzene	11.13	95	48865	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47405	26.774	ug/l	100
3) Chloromethane	1.33	50	56525	24.088	ug/l	100
4) Vinyl Chloride	1.41	62	51495	22.744	ug/l	99
5) Bromomethane	1.64	94	27391	20.188	ug/l	97
6) Chloroethane	1.72	64	30626	21.410	ug/l	100
7) Trichlorofluoromethane	1.93	101	57703	21.306	ug/l	98
8) Diethyl Ether	2.19	74	25164	19.851	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33805	20.108	ug/l	100
10) Methyl Iodide	2.51	142	34813	19.534	ug/l	98
11) Tert butyl alcohol	3.04	59	58725	103.304	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34491	20.490	ug/l	95
13) Acrolein	2.29	56	42058	84.919	ug/l	99
14) Allyl chloride	2.73	41	82098	19.887	ug/l	99
15) Acrylonitrile	3.14	53	136236	98.184	ug/l	99
16) Acetone	2.45	43	140961	106.336	ug/l	99
17) Carbon Disulfide	2.57	76	103242	21.557	ug/l	99
18) Methyl Acetate	2.78	43	60447	19.362	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	126691	19.462	ug/l	99
20) Methylene Chloride	2.86	84	40592	19.126	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36665	20.134	ug/l	96
22) Diisopropyl ether	3.85	45	158760	20.100	ug/l	98
23) Vinyl Acetate	3.82	43	707656	104.168	ug/l	100
24) 1,1-Dichloroethane	3.70	63	76116	19.583	ug/l	98
25) 2-Butanone	4.67	43	213690	103.956	ug/l	99
26) 2,2-Dichloropropane	4.59	77	58179	20.089	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41492	19.149	ug/l	99
28) Bromochloromethane	5.02	49	36366	20.649	ug/l	99
29) Tetrahydrofuran	5.13	42	136901	103.728	ug/l	100
30) Chloroform	5.21	83	68745	19.599	ug/l	99
31) Cyclohexane	5.58	56	75700	20.680	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	57081	19.502	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53346	20.073	ug/l	99
37) Ethyl Acetate	4.84	43	77699	20.848	ug/l	99
38) Carbon Tetrachloride	5.79	117	48167	19.960	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66696	20.374	ug/l	100
40) Benzene	6.15	78	163275	19.901	ug/l	97
41) Methacrylonitrile	5.04	41	43438	19.693	ug/l	99
42) 1,2-Dichloroethane	6.20	62	58785	19.895	ug/l	99
43) Isopropyl Acetate	6.45	43	118004	19.863	ug/l	99
44) Trichloroethene	7.21	130	38385	19.381	ug/l	100
45) 1,2-Dichloropropane	7.51	63	46282	19.926	ug/l	98
46) Dibromomethane	7.66	93	26045	19.320	ug/l	99
47) Bromodichloromethane	7.90	83	51833	19.311	ug/l	98
48) Methyl methacrylate	7.77	41	60706	20.526	ug/l	100
49) 1,4-Dioxane	7.74	88	23346	394.528	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	399622	102.649	ug/l	100
52) Toluene	8.79	92	97967	19.639	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60900	19.937	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	67980	20.185	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	39174	19.348	ug/l	97
56) Ethyl methacrylate	9.18	69	69700	19.148	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70594	19.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	190207	99.529	ug/l	100
59) 2-Hexanone	9.49	43	315150	103.166	ug/l	100
60) Dibromochloromethane	9.58	129	38463	19.376	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40197	19.636	ug/l	99
64) Tetrachloroethene	9.34	164	34685	19.721	ug/l	99
65) Chlorobenzene	10.13	112	99783	19.485	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35697	19.252	ug/l	99
67) Ethyl Benzene	10.25	91	186433	19.774	ug/l	100
68) m/p-Xylenes	10.36	106	138272	40.095	ug/l	99
69) o-Xylene	10.69	106	65675	19.314	ug/l	99
70) Styrene	10.71	104	115660	19.620	ug/l	99
71) Bromoform	10.85	173	28482	18.873	ug/l #	99
73) Isopropylbenzene	11.02	105	177320	19.795	ug/l	100
74) N-amyl acetate	10.90	43	104426	19.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65101	19.588	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56430m	19.739	ug/l	
77) Bromobenzene	11.26	156	42897	19.316	ug/l	99
78) n-propylbenzene	11.36	91	205501	20.050	ug/l	100
79) 2-Chlorotoluene	11.42	91	124479	19.675	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	151650	20.078	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21163	18.841	ug/l	94
82) 4-Chlorotoluene	11.51	91	139794	19.541	ug/l	98
83) tert-Butylbenzene	11.77	119	142500	19.429	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	151292	19.954	ug/l	99
85) sec-Butylbenzene	11.94	105	171428	19.709	ug/l	100
86) p-Isopropyltoluene	12.06	119	156160	19.949	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	77252	19.525	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	77123	19.324	ug/l	99
89) n-Butylbenzene	12.38	91	140884	19.826	ug/l	100
90) Hexachloroethane	12.60	117	25655	19.271	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76753	19.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15002	20.126	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54335	19.724	ug/l	99
94) Hexachlorobutadiene	13.78	225	27836	19.739	ug/l	99
95) Naphthalene	13.83	128	177214	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54937	19.720	ug/l	98

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

