

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004468.D
 Acq On : 11 Sep 2018 14:20
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:23 AM

Quant Time: Sep 12 02:10:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	322145	88.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.28%	
35) Dibromofluoromethane	5.51	113	308031	94.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.68%	
50) Toluene-d8	8.72	98	1059137	97.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.48%	
62) 4-Bromofluorobenzene	11.14	95	394332	101.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	266656	100.37	ug/l	96
3) Chloromethane	1.32	50	335260	91.70	ug/l	97
4) Vinyl Chloride	1.40	62	355967	94.86	ug/l	99
5) Bromomethane	1.63	94	154968	86.54	ug/l	99
6) Chloroethane	1.70	64	212755	87.67	ug/l	94
7) Trichlorofluoromethane	1.92	101	458439	92.15	ug/l	95
8) Diethyl Ether	2.18	74	210330	94.31	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	290033	91.90	ug/l	99
10) Methyl Iodide	2.51	142	365023	105.17	ug/l	99
11) Tert butyl alcohol	3.09	59	397232	455.47	ug/l	99
12) 1,1-Dichloroethene	2.37	96	275496	93.01	ug/l	91
13) Acrolein	2.29	56	159391	462.98	ug/l	94
14) Allyl chloride	2.72	41	554249	91.02	ug/l	96
15) Acrylonitrile	3.15	53	1017260	484.36	ug/l	97
16) Acetone	2.45	43	757546	424.65	ug/l	94
17) Carbon Disulfide	2.56	76	830704	97.03	ug/l	100
18) Methyl Acetate	2.78	43	440586	88.03	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	953479	91.75	ug/l	94
20) Methylene Chloride	2.85	84	323617	88.43	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	312668	95.53	ug/l	92
22) Diisopropyl ether	3.87	45	1034471	94.32	ug/l	96
23) Vinyl Acetate	3.82	43	4332327	488.14	ug/l	98
24) 1,1-Dichloroethane	3.69	63	555092	89.65	ug/l	100
25) 2-Butanone	4.71	43	1266545	446.10	ug/l	91
26) 2,2-Dichloropropane	4.57	77	391908	92.15	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	343963	94.14	ug/l	98
28) Bromochloromethane	5.02	49	272475	96.20	ug/l	96
29) Tetrahydrofuran	5.17	42	828870	484.10	ug/l	96
30) Chloroform	5.21	83	550711	91.10	ug/l	94
31) Cyclohexane	5.57	56	531548	100.54	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	458314	94.13	ug/l	99
36) 1,1-Dichloropropene	5.80	75	413856	96.04	ug/l	99
37) Ethyl Acetate	4.87	43	467086	95.31	ug/l	99
38) Carbon Tetrachloride	5.78	117	414659	98.52	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	469869	104.49	ug/l	98
40) Benzene	6.14	78	1137549	88.97	ug/l	99
41) Methacrylonitrile	5.07	41	268222	99.33	ug/l	98
42) 1,2-Dichloroethane	6.20	62	371946	87.72	ug/l	98
43) Isopropyl Acetate	6.46	43	638569	98.10	ug/l	99
44) Trichloroethene	7.21	130	321760	96.87	ug/l	96
45) 1,2-Dichloropropane	7.52	63	298892	97.16	ug/l	99
46) Dibromomethane	7.66	93	186783	96.11	ug/l	98
47) Bromodichloromethane	7.90	83	363282	98.84	ug/l	99
48) Methyl methacrylate	7.78	41	336631	104.50	ug/l	97
49) 1,4-Dioxane	7.76	88	152420	1999.09	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2168757	472.13	ug/l	98
52) Toluene	8.79	92	723379	96.03	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	420825	98.02	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	454916	103.94	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	285871	88.14	ug/l	98
56) Ethyl methacrylate	9.18	69	453411	98.82	ug/l	98
57) 1,3-Dichloropropane	9.37	76	479713	91.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1129547	536.61	ug/l	95
59) 2-Hexanone	9.50	43	1652434	468.98	ug/l	98
60) Dibromochloromethane	9.59	129	300572	98.44	ug/l	99
61) 1,2-Dibromoethane	9.68	107	298402	96.31	ug/l	100
64) Tetrachloroethene	9.34	164	359135	84.87	ug/l	98
65) Chlorobenzene	10.14	112	799445	94.96	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	286562	98.71	ug/l	100
67) Ethyl Benzene	10.26	91	1381098	100.89	ug/l	99
68) m/p-Xylenes	10.36	106	1080021	204.83	ug/l	98
69) o-Xylene	10.70	106	520336	102.65	ug/l	99
70) Styrene	10.71	104	883590	105.21	ug/l	98
71) Bromoform	10.86	173	245824	103.13	ug/l	99
73) Isopropylbenzene	11.02	105	1394510	99.68	ug/l	100
74) N-amyl acetate	10.90	43	607377	103.15	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	423891	93.94	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	402932m	97.08	ug/l	
77) Bromobenzene	11.26	156	368806	95.38	ug/l	98
78) n-propylbenzene	11.36	91	1622683	100.88	ug/l	100
79) 2-Chlorotoluene	11.42	91	942943	96.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1195007	101.61	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	144201	107.55	ug/l	93
82) 4-Chlorotoluene	11.51	91	1128144	99.08	ug/l	100
83) tert-Butylbenzene	11.77	119	1137154	101.56	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1229611	102.40	ug/l	99
85) sec-Butylbenzene	11.95	105	1443574	101.18	ug/l	99
86) p-Isopropyltoluene	12.07	119	1300985	103.26	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	688603	95.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	697938	93.63	ug/l	99
89) n-Butylbenzene	12.39	91	1187938	103.46	ug/l	99
90) Hexachloroethane	12.60	117	206325	102.29	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	698347	95.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	100212	104.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	528339	102.18	ug/l	99
94) Hexachlorobutadiene	13.79	225	260592	96.49	ug/l	97
95) Naphthalene	13.83	128	1551464	106.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	529097	99.61	ug/l	99

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

