

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040219\
 Data File : VX008597.D
 Acq On : 02 Apr 2019 17:52
 Operator : JC/SP
 Sample : VX0402WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:51:26 AM

Quant Time: Apr 03 04:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	138038	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
35) Dibromofluoromethane	5.49	113	100976	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.71	98	407684	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.13	95	150291	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31036	13.212	ug/l	100
3) Chloromethane	1.32	50	44866	14.680	ug/l	100
4) Vinyl Chloride	1.40	62	43043	13.124	ug/l	99
5) Bromomethane	1.64	94	20445	13.255	ug/l	100
6) Chloroethane	1.72	64	28146	14.486	ug/l	99
7) Trichlorofluoromethane	1.93	101	51273	13.803	ug/l	98
8) Diethyl Ether	2.18	74	24453	13.910	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34395	15.321	ug/l	99
10) Methyl Iodide	2.51	142	24731	14.516	ug/l	100
11) Tert butyl alcohol	3.04	59	55291	82.603	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32891	14.187	ug/l	93
13) Acrolein	2.29	56	43985	90.488	ug/l	99
14) Allyl chloride	2.73	41	78508	15.370	ug/l	99
15) Acrylonitrile	3.14	53	139448	79.449	ug/l	100
16) Acetone	2.44	43	133620	84.622	ug/l	99
17) Carbon Disulfide	2.57	76	92510	13.628	ug/l	99
18) Methyl Acetate	2.77	43	61975	16.342	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	130458	15.615	ug/l	99
20) Methylene Chloride	2.85	84	42128	15.911	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36282	15.518	ug/l	96
22) Diisopropyl ether	3.85	45	159087	15.818	ug/l	97
23) Vinyl Acetate	3.81	43	694253	79.122	ug/l	100
24) 1,1-Dichloroethane	3.70	63	77394	15.243	ug/l	99
25) 2-Butanone	4.67	43	206118	81.422	ug/l	99
26) 2,2-Dichloropropane	4.58	77	54645	16.181	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	43276	15.265	ug/l	99
28) Bromochloromethane	5.01	49	40439	16.121	ug/l	99
29) Tetrahydrofuran	5.13	42	131114	78.586	ug/l	99
30) Chloroform	5.21	83	70774	15.445	ug/l	99
31) Cyclohexane	5.57	56	73205	15.117	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	57276	15.638	ug/l	98
36) 1,1-Dichloropropene	5.80	75	53433	15.282	ug/l	99
37) Ethyl Acetate	4.83	43	75571	16.684	ug/l	99
38) Carbon Tetrachloride	5.78	117	46032	15.775	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67180	16.077	ug/l	99
40) Benzene	6.14	78	166218	15.879	ug/l	98
41) Methacrylonitrile	5.04	41	42348	16.636	ug/l	98
42) 1,2-Dichloroethane	6.19	62	60055	15.670	ug/l	99
43) Isopropyl Acetate	6.44	43	118713	16.385	ug/l	99
44) Trichloroethene	7.21	130	37835	15.394	ug/l	99
45) 1,2-Dichloropropane	7.51	63	48044	16.148	ug/l	97
46) Dibromomethane	7.66	93	27005	15.543	ug/l	99
47) Bromodichloromethane	7.89	83	53723	16.154	ug/l	96
48) Methyl methacrylate	7.77	41	59925	16.530	ug/l	96
49) 1,4-Dioxane	7.74	88	24652	342.000	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	394086	83.744	ug/l	100
52) Toluene	8.78	92	99626	15.917	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	58943	16.182	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66719	16.108	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	41106	16.134	ug/l	99
56) Ethyl methacrylate	9.18	69	74243	16.143	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73345	16.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	202730	85.277	ug/l	100
59) 2-Hexanone	9.49	43	312932	85.821	ug/l	98
60) Dibromochloromethane	9.58	129	38112	15.729	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41293	15.881	ug/l	97
64) Tetrachloroethene	9.34	164	32573	16.562	ug/l	97
65) Chlorobenzene	10.13	112	102656	16.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35840	16.443	ug/l	99
67) Ethyl Benzene	10.25	91	191998	16.103	ug/l	99
68) m/p-Xylenes	10.36	106	140116	32.303	ug/l	99
69) o-Xylene	10.69	106	68318	16.230	ug/l	99
70) Styrene	10.71	104	120238	16.537	ug/l	98
71) Bromoform	10.85	173	26973	15.670	ug/l #	100
73) Isopropylbenzene	11.02	105	183688	16.298	ug/l	100
74) N-amyl acetate	10.90	43	105479	16.169	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	69845	15.972	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59694m	14.494	ug/l	
77) Bromobenzene	11.26	156	43454	15.886	ug/l	100
78) n-propylbenzene	11.36	91	214515	16.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	127251	15.846	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155127	16.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20488	15.933	ug/l	94
82) 4-Chlorotoluene	11.51	91	146112	15.774	ug/l	100
83) tert-Butylbenzene	11.77	119	147523	16.047	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	156332	16.221	ug/l	99
85) sec-Butylbenzene	11.94	105	181245	16.556	ug/l	99
86) p-Isopropyltoluene	12.06	119	160867	16.653	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	78932	16.151	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	77390	15.690	ug/l	98
89) n-Butylbenzene	12.38	91	148167	16.192	ug/l	99
90) Hexachloroethane	12.59	117	26139	16.242	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	79161	16.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15339	16.087	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54787	16.627	ug/l	98
94) Hexachlorobutadiene	13.78	225	26695	17.062	ug/l	99
95) Naphthalene	13.83	128	187966	16.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55791	16.850	ug/l	99

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

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