

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\
 Data File : VX003643.D
 Acq On : 24 Jul 2018 16:41
 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
 8/2/2018 11:54:15 AM

Quant Time: Jul 25 04:06:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 03:58:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	116406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	162674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93298	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	9201	6.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.68%	
35) Dibromofluoromethane	5.50	113	7146	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
50) Toluene-d8	8.72	98	26700	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
62) 4-Bromofluorobenzene	11.14	95	8888	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	7333	6.573	ug/l	89
3) Chloromethane	1.32	50	8527	6.099	ug/l	98
4) Vinyl Chloride	1.40	62	8944	5.885	ug/l	99
5) Bromomethane	1.64	94	3914	4.462	ug/l	97
6) Chloroethane	1.72	64	5762	6.273	ug/l	99
7) Trichlorofluoromethane	1.92	101	11528	5.657	ug/l	98
8) Diethyl Ether	2.19	74	5064	5.791	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	7389	5.598	ug/l	96
10) Methyl Iodide	2.51	142	6517	4.064	ug/l	99
11) Tert butyl alcohol	3.09	59	10409	34.814	ug/l	98
12) 1,1-Dichloroethene	2.37	96	6752	5.546	ug/l	95
13) Acrolein	2.29	56	2930	20.591	ug/l	92
14) Allyl chloride	2.72	41	13778	6.177	ug/l	99
15) Acrylonitrile	3.15	53	24992	33.557	ug/l	98
16) Acetone	2.45	43	19770	34.828	ug/l	97
17) Carbon Disulfide	2.56	76	17855	4.926	ug/l	99
18) Methyl Acetate	2.78	43	11832	6.680	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	23282	5.764	ug/l	96
20) Methylene Chloride	2.86	84	8064	5.340	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	7168	5.288	ug/l	93
22) Diisopropyl ether	3.88	45	26175	6.266	ug/l	93
23) Vinyl Acetate	3.82	43	111913	32.225	ug/l	100
24) 1,1-Dichloroethane	3.70	63	14524	6.019	ug/l	99
25) 2-Butanone	4.71	43	31041	33.096	ug/l	92
26) 2,2-Dichloropropane	4.57	77	8849	4.962	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	7793	5.199	ug/l	31
28) Bromochloromethane	5.02	49	6439	6.230	ug/l #	100
29) Tetrahydrofuran	5.17	42	19345	31.042	ug/l	99
30) Chloroform	5.21	83	13187	5.654	ug/l	89
31) Cyclohexane	5.57	56	10795	5.063	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	10510	5.263	ug/l	98
36) 1,1-Dichloropropene	5.79	75	9822	5.246	ug/l	97
37) Ethyl Acetate	4.87	43	12163	6.570	ug/l	99
38) Carbon Tetrachloride	5.79	117	9084	4.975	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	10161	4.583	ug/l	97
40) Benzene	6.15	78	29042	5.117	ug/l	93
41) Methacrylonitrile	5.07	41	6300	5.814	ug/l	96
42) 1,2-Dichloroethane	6.20	62	10749	5.899	ug/l	100
43) Isopropyl Acetate	6.47	43	16906	5.778	ug/l	99
44) Trichloroethene	7.21	130	8038	4.847	ug/l	99
45) 1,2-Dichloropropane	7.52	63	7675	5.308	ug/l	99
46) Dibromomethane	7.67	93	4803	5.178	ug/l	98
47) Bromodichloromethane	7.90	83	8771	5.145	ug/l	99
48) Methyl methacrylate	7.78	41	8198	5.548	ug/l	98
49) 1,4-Dioxane	7.76	88	3682	110.532	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	55114	29.547	ug/l	99
52) Toluene	8.79	92	17752	4.994	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	10031	4.795	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	8811	4.671	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	7563	5.317	ug/l	98
56) Ethyl methacrylate	9.18	69	10053	4.963	ug/l	97
57) 1,3-Dichloropropane	9.37	76	12425	5.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	26433	26.541	ug/l	99
59) 2-Hexanone	9.50	43	41973	30.119	ug/l	97
60) Dibromochloromethane	9.59	129	6420	4.593	ug/l	98
61) 1,2-Dibromoethane	9.68	107	7586	5.149	ug/l	100
64) Tetrachloroethene	9.34	164	7160	3.763	ug/l	95
65) Chlorobenzene	10.14	112	20076	4.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	6585	4.570	ug/l	98
67) Ethyl Benzene	10.26	91	32517	4.786	ug/l	98
68) m/p-Xylenes	10.36	106	24462	9.217	ug/l	99
69) o-Xylene	10.70	106	11761	4.590	ug/l	98
70) Styrene	10.71	104	19202	4.542	ug/l	99
71) Bromoform	10.86	173	4711	4.201	ug/l #	99
73) Isopropylbenzene	11.02	105	31352	4.845	ug/l	99
74) N-amyl acetate	6.47	43	16906	5.926	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	12209	6.216	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	10100m	5.857	ug/l	
77) Bromobenzene	11.26	156	8531	4.628	ug/l	97
78) n-propylbenzene	11.36	91	35084	4.840	ug/l	100
79) 2-Chlorotoluene	11.42	91	22275	5.066	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	25916	4.844	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	2652	4.876	ug/l #	85
82) 4-Chlorotoluene	11.51	91	25802	5.000	ug/l	98
83) tert-Butylbenzene	11.77	119	25423	4.859	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	26433	4.851	ug/l	99
85) sec-Butylbenzene	11.95	105	30626	4.826	ug/l	100
86) p-Isopropyltoluene	12.07	119	26469	4.654	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	16049	4.714	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	16881	4.806	ug/l	93
89) n-Butylbenzene	12.39	91	23295	4.786	ug/l	98
90) Hexachloroethane	12.60	117	3884	4.759	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	16005	4.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2298	5.910	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	10809	4.398	ug/l	99
94) Hexachlorobutadiene	13.79	225	5196	4.442	ug/l	97
95) Naphthalene	13.83	128	32040	4.842	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	11328	4.630	ug/l	98

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

