

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050819\
 Data File : VX009396.D
 Acq On : 08 May 2019 14:23
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 9:49:29 AM

Quant Time: May 09 07:34:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:26:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	160001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	259886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105196	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	112482	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	5.50	113	82691	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	8.71	98	326831	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	113575	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3293	2.233	ug/l	94
3) Chloromethane	1.33	50	4747	2.358	ug/l	96
4) Vinyl Chloride	1.40	62	4782	2.436	ug/l	98
5) Bromomethane	1.64	94	3125	2.652	ug/l	99
6) Chloroethane	1.72	64	7332m	5.818	ug/l	
7) Trichlorofluoromethane	1.93	101	6122	2.566	ug/l	99
8) Diethyl Ether	2.18	74	3025	2.676	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3890	2.596	ug/l	95
10) Methyl Iodide	2.51	142	2809	1.817	ug/l	97
11) Tert butyl alcohol	3.05	59	6901	13.649	ug/l	97
12) 1,1-Dichloroethene	2.37	96	3708	2.470	ug/l	99
13) Acrolein	2.29	56	300	0.655	ug/l #	20
14) Allyl chloride	2.73	41	8335	2.278	ug/l	96
15) Acrylonitrile	3.14	53	16375	13.246	ug/l	98
16) Acetone	2.45	43	15876	13.536	ug/l	94
17) Carbon Disulfide	2.57	76	9800	2.325	ug/l	97
18) Methyl Acetate	2.78	43	8432	3.023	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	14985	2.570	ug/l	97
20) Methylene Chloride	2.85	84	5020	2.644	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	4051	2.488	ug/l	95
22) Diisopropyl ether	3.85	45	17921	2.547	ug/l #	86
23) Vinyl Acetate	3.82	43	72691	12.065	ug/l	99
24) 1,1-Dichloroethane	3.70	63	8997	2.592	ug/l	98
25) 2-Butanone	4.68	43	23628	12.964	ug/l	99
26) 2,2-Dichloropropane	4.59	77	6428	2.488	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	4976	2.561	ug/l	96
29) Tetrahydrofuran	5.13	42	15262	13.013	ug/l	95
30) Chloroform	5.21	83	8228	2.621	ug/l	96
31) Cyclohexane	5.58	56	7969	2.468	ug/l #	93
32) 1,1,1-Trichloroethane	5.49	97	7038	2.693	ug/l	99
36) 1,1-Dichloropropene	5.81	75	6145	2.544	ug/l	98
37) Ethyl Acetate	4.84	43	8620	2.562	ug/l #	92
38) Carbon Tetrachloride	5.79	117	5383	2.453	ug/l	86
39) Methylcyclohexane	7.46	83	6919	2.333	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	18220	2.438	ug/l #	90
41) Methacrylonitrile	5.06	41	4897	2.445	ug/l #	95
42) 1,2-Dichloroethane	6.20	62	7412	2.764	ug/l	97
43) Isopropyl Acetate	6.45	43	13700	2.545	ug/l	97
44) Trichloroethene	7.21	130	4452	2.464	ug/l	79
45) 1,2-Dichloropropane	7.51	63	5587	2.640	ug/l	95
46) Dibromomethane	7.66	93	3076	2.503	ug/l	96
47) Bromodichloromethane	7.90	83	5998	2.447	ug/l	99
48) Methyl methacrylate	7.77	41	7052	2.641	ug/l	96
49) 1,4-Dioxane	7.74	88	2726	50.336	ug/l #	89
51) 4-Methyl-2-Pentanone	8.64	43	44259	12.580	ug/l	100
52) Toluene	8.79	92	11379	2.504	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	6248	2.257	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	6766	2.208	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	5004	2.700	ug/l	97
56) Ethyl methacrylate	9.18	69	8267	2.498	ug/l	98
57) 1,3-Dichloropropane	9.37	76	8154	2.500	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	380	0.216	ug/l #	51
59) 2-Hexanone	9.49	43	34076	12.333	ug/l	100
60) Dibromochloromethane	9.58	129	4143	2.288	ug/l	91
61) 1,2-Dibromoethane	9.67	107	4694	2.509	ug/l	99
64) Tetrachloroethene	9.34	164	3962	2.503	ug/l	94
65) Chlorobenzene	10.14	112	11827	2.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	4157	2.483	ug/l	96
67) Ethyl Benzene	10.25	91	20982	2.469	ug/l	97
68) m/p-Xylenes	10.36	106	14938	4.811	ug/l	98
69) o-Xylene	10.70	106	7441	2.429	ug/l	98
70) Stvrene	10.71	104	12422	2.333	ug/l	98
71) Bromoform	10.85	173	3083	2.266	ug/l #	98
73) Isopropylbenzene	11.02	105	19915	2.603	ug/l	100
74) N-amyl acetate	10.90	43	10571	2.370	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	8062	2.827	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	6340m	2.598	ug/l	
77) Bromobenzene	11.26	156	5152	2.713	ug/l	99
78) n-propylbenzene	11.36	91	20851	2.387	ug/l	97
79) 2-Chlorotoluene	11.42	91	14216	2.638	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	16319	2.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1812	1.900	ug/l #	69
82) 4-Chlorotoluene	11.51	91	15764	2.589	ug/l	96
83) tert-Butylbenzene	11.77	119	15892	2.536	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	16521	2.555	ug/l	97
85) sec-Butylbenzene	11.94	105	19003	2.558	ug/l	98
86) p-Isopropyltoluene	12.06	119	16401	2.456	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	8729	2.579	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	8627	2.528	ug/l	84
89) n-Butylbenzene	12.38	91	13554	2.245	ug/l	99
90) Hexachloroethane	12.59	117	2744	2.412	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	9047	2.624	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1769	2.765	ug/l	94
93) 1,2,4-Trichlorobenzene	13.64	180	6157	2.612	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	3017	2.506	ug/l	97
95) Naphthalene	13.83	128	19759	2.576	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	6450	2.699	ug/l	99

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

