

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008965.D
 Acq On : 15 Apr 2019 17:09
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:54:06 AM

Quant Time: Apr 16 10:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 10:48:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345884	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133957	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	152300	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.56%		
35) Dibromofluoromethane	5.50	113	108397	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.66%		
50) Toluene-d8	8.71	98	446081	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.78%		
62) 4-Bromofluorobenzene	11.13	95	151788	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4564	1.862	ug/l	98
3) Chloromethane	1.32	50	6847	2.275	ug/l	100
4) Vinyl Chloride	1.41	62	5678	1.939	ug/l	98
5) Bromomethane	1.64	94	5778	3.037	ug/l	98
6) Chloroethane	1.70	64	4305	2.500	ug/l #	88
7) Trichlorofluoromethane	1.92	101	7271	2.126	ug/l	96
8) Diethyl Ether	2.19	74	3588	2.294	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4674	2.138	ug/l	98
10) Methyl Iodide	2.50	142	15299	7.035	ug/l	99
11) Tert butyl alcohol	3.07	59	32602	48.975	ug/l	98
12) 1,1-Dichloroethene	2.37	96	4451	1.950	ug/l	95
13) Acrolein	2.29	56	23456	40.780	ug/l	98
14) Allyl chloride	2.73	41	10536	2.116	ug/l	95
15) Acrylonitrile	3.15	53	17328	10.254	ug/l	96
16) Acetone	2.45	43	15902	10.225	ug/l	95
17) Carbon Disulfide	2.56	76	13314	1.880	ug/l	96
18) Methyl Acetate	2.78	43	9690	2.497	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	18188	2.237	ug/l	96
20) Methylene Chloride	2.85	84	6249	2.350	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	5138	2.111	ug/l	89
22) Diisopropyl ether	3.86	45	21425	2.215	ug/l	94
23) Vinyl Acetate	3.82	43	85987	10.111	ug/l	98
24) 1,1-Dichloroethane	3.70	63	10631	2.189	ug/l	94
25) 2-Butanone	4.68	43	25612	10.303	ug/l	100
26) 2,2-Dichloropropane	4.59	77	7504	2.061	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	6017	2.177	ug/l	93
28) Bromochloromethane	5.01	49	5607	2.490	ug/l	91
29) Tetrahydrofuran	5.14	42	17865	10.737	ug/l	99
30) Chloroform	5.21	83	9483	2.182	ug/l	93
31) Cyclohexane	5.58	56	10219	2.139	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	7546	2.095	ug/l	99
36) 1,1-Dichloropropene	5.81	75	7432	2.078	ug/l	97
37) Ethyl Acetate	4.84	43	9261	2.012	ug/l #	89
38) Carbon Tetrachloride	5.78	117	6407	2.113	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	9000	2.066	ug/l	98
40) Benzene	6.15	78	22422	2.125	ug/l	96
41) Methacrylonitrile	5.05	41	5129	1.941	ug/l	92
42) 1,2-Dichloroethane	6.19	62	8660	2.317	ug/l	98
43) Isopropyl Acetate	6.45	43	15236	2.054	ug/l	97
44) Trichloroethene	7.21	130	5381	2.081	ug/l	89
45) 1,2-Dichloropropane	7.51	63	6354	2.170	ug/l #	88
46) Dibromomethane	7.66	93	3634	2.133	ug/l	96
47) Bromodichloromethane	7.90	83	6530	1.954	ug/l #	89
48) Methyl methacrylate	7.77	41	7229	1.972	ug/l	95
49) 1,4-Dioxane	7.75	88	2920	42.565	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	47173	9.982	ug/l	99
52) Toluene	8.78	92	13838	2.188	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	7112	1.849	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	8190	1.902	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	5045	2.013	ug/l	95
56) Ethyl methacrylate	9.18	69	9016	2.006	ug/l	94
57) 1,3-Dichloropropane	9.37	76	9441	2.115	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	23857	9.857	ug/l	100
59) 2-Hexanone	9.49	43	35666	9.789	ug/l	100
60) Dibromochloromethane	9.58	129	4449	1.852	ug/l	98
61) 1,2-Dibromoethane	9.67	107	5431	2.099	ug/l	97
64) Tetrachloroethene	9.34	164	5130	2.261	ug/l	94
65) Chlorobenzene	10.14	112	13291	2.108	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	4579	2.062	ug/l	98
67) Ethyl Benzene	10.25	91	24425	2.120	ug/l	98
68) m/p-Xylenes	10.36	106	17238	4.116	ug/l	95
69) o-Xylene	10.70	106	8532	2.094	ug/l	99
70) Styrene	10.71	104	13855	1.962	ug/l	97
71) Bromoform	10.85	173	3075	1.738	ug/l #	98
73) Isopropylbenzene	11.02	105	22867	2.252	ug/l	99
74) N-amyl acetate	10.90	43	12506	2.145	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	8301	2.237	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	7746m	2.368	ug/l	
77) Bromobenzene	11.26	156	5307	2.072	ug/l	92
78) n-propylbenzene	11.36	91	25274	2.169	ug/l	99
79) 2-Chlorotoluene	11.42	91	16099	2.292	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	18345	2.153	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2158m	1.694	ug/l	
82) 4-Chlorotoluene	11.51	91	17574	2.155	ug/l	99
83) tert-Butylbenzene	11.77	119	17699	2.164	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	18582	2.142	ug/l	100
85) sec-Butylbenzene	11.94	105	21394	2.193	ug/l	99
86) p-Isopropyltoluene	12.06	119	18674	2.082	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	9662	2.155	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	10034	2.208	ug/l	86
89) n-Butylbenzene	12.39	91	16946	2.029	ug/l	97
90) Hexachloroethane	12.60	117	2847	1.924	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	9814	2.217	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1718	2.034	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	6519	2.040	ug/l	95
94) Hexachlorobutadiene	13.78	225	3182	1.996	ug/l	98
95) Naphthalene	13.83	128	20316	1.984	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	6495	2.060	ug/l	100

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

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