

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009766.D
 Acq On : 21 May 2019 22:25
 Operator : JC/SP
 Sample : K2910-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MS

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:39:57 AM

Quant Time: May 22 08:28:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	160397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	258997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120169	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	86995	39.73	ug/l	0.00
Spiked Amount						
			Recovery	=	79.46%	
35) Dibromofluoromethane	5.49	113	64776	39.78	ug/l	0.00
Spiked Amount						
			Recovery	=	79.56%	
50) Toluene-d8	8.71	98	248631	37.82	ug/l	0.00
Spiked Amount						
			Recovery	=	75.64%	
62) 4-Bromofluorobenzene	11.13	95	95629	40.04	ug/l	0.00
Spiked Amount						
			Recovery	=	80.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	64625	43.722	ug/l	98
3) Chloromethane	1.32	50	95968	47.557	ug/l	99
4) Vinyl Chloride	1.41	62	100740	51.195	ug/l	99
5) Bromomethane	1.64	94	56745	48.045	ug/l	99
6) Chloroethane	1.71	64	63635	50.369	ug/l	99
7) Trichlorofluoromethane	1.92	101	112787	47.153	ug/l	98
8) Diethyl Ether	2.19	74	53467	47.190	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67025	44.622	ug/l	100
10) Methyl Iodide	2.51	142	79906	46.173	ug/l	99
11) Tert butyl alcohol	3.05	59	119895	236.553	ug/l	100
12) 1,1-Dichloroethene	2.37	96	70551	46.878	ug/l	99
13) Acrolein	2.29	56	97340	212.064	ug/l	97
14) Allyl chloride	2.73	41	171411	46.736	ug/l	99
15) Acrylonitrile	3.14	53	297770	240.280	ug/l	99
16) Acetone	2.45	43	259845	221.006	ug/l	96
17) Carbon Disulfide	2.57	76	218270	51.657	ug/l	99
18) Methyl Acetate	2.78	43	115550	41.325	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	275708	47.176	ug/l	100
20) Methylene Chloride	2.85	84	87374	45.897	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	78463	48.073	ug/l	97
22) Diisopropyl ether	3.85	45	338569	48.001	ug/l	99
23) Vinyl Acetate	3.81	43	1404045	232.463	ug/l	99
24) 1,1-Dichloroethane	3.70	63	163906	47.106	ug/l	99
25) 2-Butanone	4.67	43	438914	240.230	ug/l	97
26) 2,2-Dichloropropane	4.59	77	94962	36.666	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	90694	46.553	ug/l	99
28) Bromochloromethane	5.02	49	84751	61.117	ug/l	97
29) Tetrahydrofuran	5.13	42	295750	251.552	ug/l	98
30) Chloroform	5.21	83	149613	47.542	ug/l	98
31) Cyclohexane	5.58	56	157441	48.635	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123630	47.192	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114140	47.422	ug/l	99
37) Ethyl Acetate	4.83	43	153572	45.794	ug/l	99
38) Carbon Tetrachloride	5.78	117	102041	46.662	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	137393	46.481	ug/l	99
40) Benzene	6.14	78	353464	47.452	ug/l	99
41) Methacrylonitrile	5.04	41	95347	47.763	ug/l	98
42) 1,2-Dichloroethane	6.20	62	130056	48.673	ug/l	99
43) Isopropyl Acetate	6.45	43	251530	46.891	ug/l	99
44) Trichloroethene	7.21	130	81988	45.529	ug/l	98
45) 1,2-Dichloropropane	7.51	63	100452	47.625	ug/l	98
46) Dibromomethane	7.66	93	57525	46.965	ug/l	99
47) Bromodichloromethane	7.90	83	115981	47.470	ug/l	98
48) Methyl methacrylate	7.77	41	133914	50.320	ug/l	98
49) 1,4-Dioxane	7.74	88	45463	842.371	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	888891	253.526	ug/l	99
52) Toluene	8.78	92	214146	47.294	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	131644	47.724	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	142667	46.727	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	86682	46.924	ug/l	96
56) Ethyl methacrylate	9.18	69	161254	48.902	ug/l	97
57) 1,3-Dichloropropane	9.37	76	152974	47.058	ug/l	99
59) 2-Hexanone	9.49	43	691947	251.283	ug/l	98
60) Dibromochloromethane	9.58	129	86922	48.177	ug/l	99
61) 1,2-Dibromoethane	9.67	107	89458	47.974	ug/l	100
64) Tetrachloroethene	9.34	164	69296	42.366	ug/l	98
65) Chlorobenzene	10.14	112	221648	46.467	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	79126	45.756	ug/l	100
67) Ethyl Benzene	10.25	91	412441	46.983	ug/l	100
68) m/p-Xylenes	10.36	106	304653	94.967	ug/l	99
69) o-Xylene	10.69	106	147725	46.672	ug/l	98
70) Stvrene	10.71	104	259937	47.250	ug/l	99
71) Bromoform	10.85	173	67209	47.824	ug/l #	99
73) Isopropylbenzene	11.02	105	393275	45.005	ug/l	99
74) N-amyl acetate	10.90	43	224970	44.158	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	151205	46.416	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	127980m	45.912	ug/l	
77) Bromobenzene	11.26	156	99156	45.716	ug/l	100
78) n-propylbenzene	11.36	91	454657	45.557	ug/l	100
79) 2-Chlorotoluene	11.42	91	273856	44.478	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	336928	45.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	45658	41.910	ug/l	96
82) 4-Chlorotoluene	11.51	91	316031	45.435	ug/l	100
83) tert-Butylbenzene	11.77	119	325716	45.506	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	338891	45.886	ug/l	100
85) sec-Butylbenzene	11.94	105	380894	44.885	ug/l	100
86) p-Isopropyltoluene	12.06	119	348574	45.691	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	174856	45.223	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	175456	45.010	ug/l	100
89) n-Butylbenzene	12.38	91	314959	45.678	ug/l	100
90) Hexachloroethane	12.59	117	58039	44.655	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	176724	44.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34572	47.309	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	122098	45.337	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	58956	42.869	ug/l	97
95) Naphthalene	13.83	128	400938	45.760	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	123408	45.206	ug/l	100

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

