

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013214.D
 Acq On : 24 Oct 2019 16:15
 Operator : JC/SP
 Sample : K5532-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:53:40 PM

Quant Time: Oct 25 04:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	81235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	117522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	120289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	84668	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	5.49	113	68367	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	8.71	98	244276	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	97041	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	79974	48.790	ug/l	99
3) Chloromethane	1.32	50	64071	47.514	ug/l	95
4) Vinyl Chloride	1.40	62	96816	65.631	ug/l	98
5) Bromomethane	1.63	94	31050	39.712	ug/l	98
6) Chloroethane	1.71	64	43973	53.441	ug/l	97
7) Trichlorofluoromethane	1.92	101	120652	51.820	ug/l	97
8) Diethyl Ether	2.18	74	39760	49.802	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72447	50.254	ug/l	99
10) Methyl Iodide	2.50	142	70005	39.356	ug/l	100
11) Tert butyl alcohol	3.03	59	87336	236.885	ug/l	99
12) 1,1-Dichloroethene	2.36	96	73551	53.150	ug/l	98
13) Acrolein	2.28	56	49055	246.080	ug/l	98
14) Allyl chloride	2.72	41	105542	48.445	ug/l	99
15) Acrylonitrile	3.13	53	187278	250.067	ug/l	99
16) Acetone	2.44	43	172559	215.573	ug/l	97
17) Carbon Disulfide	2.56	76	172383	46.335	ug/l	100
18) Methyl Acetate	2.76	43	88579	50.665	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	242261	49.713	ug/l	99
20) Methylene Chloride	2.84	84	76380	51.019	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	460394	317.183	ug/l	91
22) Diisopropyl ether	3.84	45	209060	49.077	ug/l	95
23) Vinyl Acetate	3.80	43	925062	255.496	ug/l	99
24) 1,1-Dichloroethane	3.69	63	129341	49.364	ug/l	99
25) 2-Butanone	4.66	43	253524	236.164	ug/l	96
26) 2,2-Dichloropropane	4.58	77	118394	48.892	ug/l #	33
27) cis-1,2-Dichloroethene	4.59	96	1066294	629.167	ug/l	89
28) Bromochloromethane	5.00	49	35364	52.343	ug/l	96
29) Tetrahydrofuran	5.11	42	157616	243.584	ug/l	99
30) Chloroform	5.20	83	139459	49.991	ug/l	97
31) Cyclohexane	5.57	56	110630	50.347	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	127656	51.465	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103866	52.803	ug/l	99
37) Ethyl Acetate	4.82	43	96931	49.495	ug/l #	80
38) Carbon Tetrachloride	5.78	117	109661	50.483	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121548	48.312	ug/l	98
40) Benzene	6.14	78	293368	49.698	ug/l	98
41) Methacrylonitrile	5.03	41	54481	51.888	ug/l	99
42) 1,2-Dichloroethane	6.18	62	115713	51.991	ug/l	99
43) Isopropyl Acetate	6.43	43	163461	50.271	ug/l	100
44) Trichloroethene	7.21	130	2367004	1412.841	ug/l	96
45) 1,2-Dichloropropane	7.51	63	72179	48.820	ug/l	97
46) Dibromomethane	7.65	93	52350	49.146	ug/l	98
47) Bromodichloromethane	7.89	83	108017	52.035	ug/l	99
48) Methyl methacrylate	7.76	41	79851	49.686	ug/l	100
49) 1,4-Dioxane	7.73	88	36033	880.944	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	492792	248.641	ug/l	100
52) Toluene	8.78	92	192604	49.234	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	117270	53.160	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	126193	52.293	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	77495	50.105	ug/l	99
56) Ethyl methacrylate	9.17	69	119473	51.324	ug/l	100
57) 1,3-Dichloropropane	9.37	76	127083	48.697	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	39209	43.167	ug/l	98
59) 2-Hexanone	9.48	43	376568	246.659	ug/l	98
60) Dibromochloromethane	9.57	129	86536	53.395	ug/l	99
61) 1,2-Dibromoethane	9.67	107	82070	49.983	ug/l	99
64) Tetrachloroethene	9.33	164	77610	52.382	ug/l	98
65) Chlorobenzene	10.14	112	205262	48.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	78869	50.702	ug/l	99
67) Ethyl Benzene	10.25	91	369435	49.008	ug/l	98
68) m/p-Xylenes	10.35	106	281027	98.646	ug/l	99
69) o-Xylene	10.70	106	133962	49.019	ug/l	98
70) Styrene	10.71	104	231218	49.135	ug/l	98
71) Bromoform	10.85	173	60507	53.235	ug/l #	100
73) Isopropylbenzene	11.01	105	370754	49.760	ug/l	100
74) N-amyl acetate	10.89	43	138171	50.525	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	108125	47.793	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	95969m	48.529	ug/l	
77) Bromobenzene	11.25	156	86284	48.317	ug/l	98
78) n-propylbenzene	11.35	91	405202	50.065	ug/l	100
79) 2-Chlorotoluene	11.42	91	251568	49.195	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	312770	50.503	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36273	50.404	ug/l	96
82) 4-Chlorotoluene	11.51	91	290670	50.166	ug/l	97
83) tert-Butylbenzene	11.76	119	305103	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	316234	50.623	ug/l	98
85) sec-Butylbenzene	11.94	105	350702	50.296	ug/l	100
86) p-Isopropyltoluene	12.06	119	330327	50.426	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	160825	49.851	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	158139	48.144	ug/l	99
89) n-Butylbenzene	12.38	91	269419	50.276	ug/l	98
90) Hexachloroethane	12.59	117	56688	51.674	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	158151	49.852	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28869	51.314	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105178	52.651	ug/l	96
94) Hexachlorobutadiene	13.78	225	51168	49.517	ug/l	97
95) Naphthalene	13.83	128	321633	52.460	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	102658	52.006	ug/l	97

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

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