

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006601.D
 Acq On : 18 Dec 2018 16:45
 Operator : JC/MD
 Sample : VX1218WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:36 AM

Quant Time: Dec 19 06:31:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	630261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	979245	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	901709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454893	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	336621	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.12%		
35) Dibromofluoromethane	5.50	113	299678	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.78%		
50) Toluene-d8	8.71	98	1142234	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.86%		
62) 4-Bromofluorobenzene	11.13	95	416835	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.50%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	109973	19.073	ug/l	98
3) Chloromethane	1.33	50	120946	19.470	ug/l	96
4) Vinyl Chloride	1.41	62	130598	20.130	ug/l	98
5) Bromomethane	1.64	94	128512	20.080	ug/l	99
6) Chloroethane	1.72	64	79259	17.644	ug/l	97
7) Trichlorofluoromethane	1.93	101	199237	19.698	ug/l	98
8) Diethyl Ether	2.19	74	78552	19.553	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	116932	19.689	ug/l	99
10) Methyl Iodide	2.51	142	164261	19.322	ug/l	98
11) Tert butyl alcohol	3.07	59	144619	95.399	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108164	19.208	ug/l	93
13) Acrolein	2.29	56	97907	95.737	ug/l	98
14) Allyl chloride	2.73	41	185884	19.611	ug/l	97
15) Acrylonitrile	3.15	53	334049	99.246	ug/l	99
16) Acetone	2.45	43	287645	92.171	ug/l	98
17) Carbon Disulfide	2.57	76	260367	17.472	ug/l	98
18) Methyl Acetate	2.78	43	189109	20.608	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	382870	20.485	ug/l	99
20) Methylene Chloride	2.86	84	126453	19.595	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	116207	18.625	ug/l	96
22) Diisopropyl ether	3.87	45	346496	19.982	ug/l	97
23) Vinyl Acetate	3.82	43	1369202	96.531	ug/l	99
24) 1,1-Dichloroethane	3.70	63	197590	19.088	ug/l	99
25) 2-Butanone	4.70	43	420186	95.720	ug/l	99
26) 2,2-Dichloropropane	4.59	77	145711	18.223	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	134631	19.557	ug/l	97
28) Bromochloromethane	5.01	49	87503	18.900	ug/l	98
29) Tetrahydrofuran	5.15	42	280130	96.889	ug/l	97
30) Chloroform	5.21	83	211654	19.745	ug/l	96
31) Cyclohexane	5.57	56	183098	19.470	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	176170	19.463	ug/l	97
36) 1,1-Dichloropropene	5.80	75	155182	19.134	ug/l	99
37) Ethyl Acetate	4.85	43	160446	19.007	ug/l	98
38) Carbon Tetrachloride	5.79	117	146023	18.526	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199214	18.657	ug/l	98
40) Benzene	6.14	78	477578	19.372	ug/l	99
41) Methacrylonitrile	5.06	41	89080	18.779	ug/l	98
42) 1,2-Dichloroethane	6.20	62	163026	19.406	ug/l	99
43) Isopropyl Acetate	6.46	43	253613	19.746	ug/l	99
44) Trichloroethene	7.21	130	141480	18.961	ug/l	97
45) 1,2-Dichloropropane	7.51	63	115442	19.243	ug/l	98
46) Dibromomethane	7.66	93	82198	18.627	ug/l	95
47) Bromodichloromethane	7.90	83	136118	18.580	ug/l	97
48) Methyl methacrylate	7.77	41	127399	19.505	ug/l	95
49) 1,4-Dioxane	7.75	88	63055	356.170	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	807981	98.868	ug/l	98
52) Toluene	8.78	92	316449	19.869	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	144867	18.437	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	165590	19.207	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127758	19.597	ug/l	98
56) Ethyl methacrylate	9.18	69	183266	19.890	ug/l	99
57) 1,3-Dichloropropane	9.37	76	202910	19.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	493668	100.793	ug/l	100
59) 2-Hexanone	9.49	43	612503	97.957	ug/l	99
60) Dibromochloromethane	9.59	129	113101	18.141	ug/l	98
61) 1,2-Dibromoethane	9.67	107	136534	19.702	ug/l	99
64) Tetrachloroethene	9.34	164	133714	18.727	ug/l	96
65) Chlorobenzene	10.14	112	361928	18.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	114167	19.182	ug/l	100
67) Ethyl Benzene	10.25	91	600319	19.258	ug/l	100
68) m/p-Xylenes	10.36	106	477462	38.817	ug/l	99
69) o-Xylene	10.69	106	236648	19.483	ug/l	99
70) Styrene	10.71	104	372774	19.399	ug/l	98
71) Bromoform	10.86	173	78613	17.797	ug/l #	98
73) Isopropylbenzene	11.02	105	624672	20.073	ug/l	99
74) N-amyl acetate	10.90	43	218269	19.595	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	188778	20.397	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	169714m	21.287	ug/l	
77) Bromobenzene	11.26	156	168598	20.039	ug/l	97
78) n-propylbenzene	11.36	91	684866	19.985	ug/l	100
79) 2-Chlorotoluene	11.42	91	412918	19.883	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	514084	20.056	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	38146	16.802	ug/l #	69
82) 4-Chlorotoluene	11.51	91	475305	19.952	ug/l	100
83) tert-Butylbenzene	11.77	119	525056	20.467	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	526630	19.533	ug/l	100
85) sec-Butylbenzene	11.94	105	621125	19.747	ug/l	100
86) p-Isopropyltoluene	12.07	119	557643	20.169	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	293909	19.383	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	294632	18.932	ug/l	99
89) n-Butylbenzene	12.39	91	459309	19.520	ug/l	99
90) Hexachloroethane	12.60	117	71725	18.777	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	296127	19.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34248	17.884	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	198046	18.928	ug/l	98
94) Hexachlorobutadiene	13.78	225	90209	18.292	ug/l	99
95) Naphthalene	13.83	128	639607	19.153	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	204593	18.939	ug/l	98

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

