

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\
 Data File : VX006233.D
 Acq On : 30 Nov 2018 16:29
 Operator : JC/MD
 Sample : VX1130WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1130WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 11:59:39 AM

Quant Time: Dec 01 00:12:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	768086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1148774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1044487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	541372	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	382369	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	5.50	113	361872	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	8.71	98	1330945	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	502437	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	157735	20.974	ug/l	99
3) Chloromethane	1.33	50	156784	20.287	ug/l	97
4) Vinyl Chloride	1.41	62	168965	20.314	ug/l	98
5) Bromomethane	1.64	94	116711	20.246	ug/l	96
6) Chloroethane	1.73	64	107168	21.014	ug/l	100
7) Trichlorofluoromethane	1.93	101	256425	20.083	ug/l	99
8) Diethyl Ether	2.19	74	95525	19.768	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	139364	19.196	ug/l	99
10) Methyl Iodide	2.51	142	215558	19.701	ug/l	100
11) Tert butyl alcohol	3.07	59	209457	97.680	ug/l	99
12) 1,1-Dichloroethene	2.38	96	136683	19.666	ug/l	93
13) Acrolein	2.30	56	106010	90.452	ug/l	99
14) Allyl chloride	2.73	41	264987	19.301	ug/l	99
15) Acrylonitrile	3.15	53	436424	97.532	ug/l	100
16) Acetone	2.45	43	366855	99.697	ug/l	99
17) Carbon Disulfide	2.57	76	415749	19.413	ug/l	100
18) Methyl Acetate	2.78	43	271369	22.052	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	480311	19.372	ug/l	100
20) Methylene Chloride	2.86	84	150274	19.189	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	145371	19.627	ug/l	99
22) Diisopropyl ether	3.87	45	415864	19.393	ug/l	93
23) Vinyl Acetate	3.82	43	1821984	99.614	ug/l	99
24) 1,1-Dichloroethane	3.70	63	235989	19.253	ug/l	99
25) 2-Butanone	4.70	43	521516	99.329	ug/l	100
26) 2,2-Dichloropropane	4.59	77	209086	18.484	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	165832	20.073	ug/l	98
28) Bromochloromethane	5.02	49	100332	18.740	ug/l	96
29) Tetrahydrofuran	5.15	42	353438	96.858	ug/l	98
30) Chloroform	5.21	83	254217	19.736	ug/l	93
31) Cyclohexane	5.57	56	219455	19.374	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	239402	19.534	ug/l	99
36) 1,1-Dichloropropene	5.80	75	186159	19.244	ug/l	100
37) Ethyl Acetate	4.85	43	205334	18.954	ug/l	99
38) Carbon Tetrachloride	5.78	117	224766	19.750	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	238834	19.020	ug/l	98
40) Benzene	6.14	78	572662	19.765	ug/l	97
41) Methacrylonitrile	5.06	41	112316	18.841	ug/l	98
42) 1,2-Dichloroethane	6.20	62	188969	19.928	ug/l	99
43) Isopropyl Acetate	6.46	43	343858	19.037	ug/l	100
44) Trichloroethene	7.21	130	169301	19.288	ug/l	96
45) 1,2-Dichloropropane	7.52	63	144374	19.606	ug/l	100
46) Dibromomethane	7.66	93	104192	19.591	ug/l	99
47) Bromodichloromethane	7.90	83	202795	19.691	ug/l	100
48) Methyl methacrylate	7.77	41	167981	19.117	ug/l	99
49) 1,4-Dioxane	7.75	88	84820	391.646	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1035477	98.476	ug/l	100
52) Toluene	8.79	92	374450	19.644	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	230006	19.096	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	238761	19.090	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	154387	19.936	ug/l	98
56) Ethyl methacrylate	9.18	69	234272	19.351	ug/l	100
57) 1,3-Dichloropropane	9.37	76	241372	19.711	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	595476	96.929	ug/l	100
59) 2-Hexanone	9.49	43	790208	98.365	ug/l	100
60) Dibromochloromethane	9.59	129	185929	19.471	ug/l	99
61) 1,2-Dibromoethane	9.67	107	170289	19.666	ug/l	100
64) Tetrachloroethene	9.34	164	185853	23.628	ug/l	98
65) Chlorobenzene	10.14	112	434771	19.609	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	167220	19.411	ug/l	99
67) Ethyl Benzene	10.25	91	722914	19.604	ug/l	98
68) m/p-Xylenes	10.36	106	574875	38.917	ug/l	99
69) o-Xylene	10.70	106	283455	19.427	ug/l	98
70) Styrene	10.71	104	458218	19.417	ug/l	100
71) Bromoform	10.86	173	156663	19.265	ug/l #	98
73) Isopropylbenzene	11.02	105	741741	19.840	ug/l	100
74) N-amyl acetate	10.90	43	315187	19.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	241386	20.182	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	187280m	17.923	ug/l	
77) Bromobenzene	11.26	156	203897	19.652	ug/l	99
78) n-propylbenzene	11.36	91	819596	19.721	ug/l	100
79) 2-Chlorotoluene	11.42	91	486299	19.688	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	618080	19.870	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	84265	18.924	ug/l	94
82) 4-Chlorotoluene	11.51	91	563737	19.630	ug/l	100
83) tert-Butylbenzene	11.77	119	662920	19.974	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	634076	19.741	ug/l	99
85) sec-Butylbenzene	11.94	105	744030	19.705	ug/l	100
86) p-Isopropyltoluene	12.07	119	668373	19.658	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	365992	19.825	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	358133	19.113	ug/l	98
89) n-Butylbenzene	12.39	91	555109	19.135	ug/l	99
90) Hexachloroethane	12.60	117	136543	19.705	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	365023	19.922	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56841	18.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	258137	19.311	ug/l	99
94) Hexachlorobutadiene	13.78	225	118459	20.038	ug/l	99
95) Naphthalene	13.83	128	820727	19.738	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	258468	19.522	ug/l	99

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

