

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005995.D
 Acq On : 15 Nov 2018 01:27
 Operator : JC/MD
 Sample : VX1114WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:04:10 PM

Quant Time: Nov 15 06:34:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	122742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	175523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	152346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	66047	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	5.49	113	59077	49.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	8.71	98	192014	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	70304	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	18851	17.03	ug/l	90
3) Chloromethane	1.32	50	26696	18.38	ug/l	92
4) Vinyl Chloride	1.40	62	26121	17.92	ug/l	96
5) Bromomethane	1.64	94	15948	17.87	ug/l	82
6) Chloroethane	1.72	64	17198	19.77	ug/l	95
7) Trichlorofluoromethane	1.93	101	34224	17.68	ug/l	98
8) Diethyl Ether	2.19	74	14730	19.42	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20487	18.41	ug/l	98
10) Methyl Iodide	2.51	142	23509	17.43	ug/l	98
11) Tert butyl alcohol	3.07	59	40884	101.14	ug/l	99
12) 1,1-Dichloroethene	2.38	96	20312	18.72	ug/l	86
13) Acrolein	2.29	56	24496	136.52	ug/l	96
14) Allyl chloride	2.73	41	44833	18.50	ug/l	98
15) Acrylonitrile	3.15	53	84026	100.30	ug/l	97
16) Acetone	2.45	43	74444	97.98	ug/l	95
17) Carbon Disulfide	2.57	76	57729	17.84	ug/l	99
18) Methyl Acetate	2.78	43	45162	21.33	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	76503	20.66	ug/l	98
20) Methylene Chloride	2.86	84	23575	18.89	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	21243	18.56	ug/l	95
22) Diisopropyl ether	3.87	45	84535	19.92	ug/l	96
23) Vinyl Acetate	3.82	43	345053	94.81	ug/l	99
24) 1,1-Dichloroethane	3.70	63	44531	19.66	ug/l	99
25) 2-Butanone	4.70	43	115606	96.78	ug/l	99
26) 2,2-Dichloropropane	4.58	77	27892	16.79	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	25463	20.15	ug/l	98
28) Bromochloromethane	5.03	49	23469	23.19	ug/l	96
29) Tetrahydrofuran	5.16	42	75179	98.03	ug/l	98
30) Chloroform	5.21	83	47562	21.77	ug/l	96
31) Cyclohexane	5.57	56	36165	18.40	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	36237	19.88	ug/l	99
36) 1,1-Dichloropropene	5.80	75	30204	17.85	ug/l	97
37) Ethyl Acetate	4.86	43	42612	19.15	ug/l	98
38) Carbon Tetrachloride	5.79	117	29430	17.37	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29481	17.19	ug/l	99
40) Benzene	6.15	78	93054	18.86	ug/l	100
41) Methacrylonitrile	5.06	41	24038	19.99	ug/l	99
42) 1,2-Dichloroethane	6.20	62	33746	19.10	ug/l	99
43) Isopropyl Acetate	6.46	43	58823	18.24	ug/l	98
44) Trichloroethene	7.21	130	22836	18.23	ug/l	99
45) 1,2-Dichloropropane	7.52	63	22846	19.08	ug/l	98
46) Dibromomethane	7.66	93	14377	19.14	ug/l	99
47) Bromodichloromethane	7.90	83	28241	19.89	ug/l	98
48) Methyl methacrylate	7.77	41	28042	19.37	ug/l	99
49) 1,4-Dioxane	7.75	88	12335	395.39	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	195165	96.04	ug/l	100
52) Toluene	8.79	92	51563	18.70	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	29258	17.46	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	32325	18.93	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	21858	17.79	ug/l	98
56) Ethyl methacrylate	9.18	69	32625	17.75	ug/l	99
57) 1,3-Dichloropropane	9.37	76	36621	17.74	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	93991	99.00	ug/l	99
59) 2-Hexanone	9.49	43	152606	85.20	ug/l	100
60) Dibromochloromethane	9.59	129	21941	16.52	ug/l	99
61) 1,2-Dibromoethane	9.67	107	22634	16.66	ug/l	99
64) Tetrachloroethene	9.34	164	23364	18.01	ug/l	99
65) Chlorobenzene	10.14	112	57956	18.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	21054	19.84	ug/l	99
67) Ethyl Benzene	10.25	91	96841	19.79	ug/l	99
68) m/p-Xylenes	10.36	106	75495	40.44	ug/l	100
69) o-Xylene	10.70	106	35097	20.97	ug/l	97
70) Styrene	10.71	104	59585	21.58	ug/l	100
71) Bromoform	10.86	173	17900	20.12	ug/l #	98
73) Isopropylbenzene	11.02	105	99808	21.17	ug/l	100
74) N-amyl acetate	10.90	43	48109	18.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	34777	20.10	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	33935m	20.44	ug/l	
77) Bromobenzene	11.26	156	26575	20.00	ug/l	99
78) n-propylbenzene	11.36	91	113658	20.45	ug/l	99
79) 2-Chlorotoluene	11.42	91	69082	20.57	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	83913	20.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	9830	18.87	ug/l	97
82) 4-Chlorotoluene	11.51	91	81344	20.55	ug/l	100
83) tert-Butylbenzene	11.77	119	81273	20.05	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	85547	19.27	ug/l	100
85) sec-Butylbenzene	11.94	105	98373	19.85	ug/l	100
86) p-Isopropyltoluene	12.07	119	87730	19.98	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	48399	18.98	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	49336	18.90	ug/l	98
89) n-Butylbenzene	12.39	91	73960	18.17	ug/l	99
90) Hexachloroethane	12.60	117	14201	19.37	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	48587	19.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8304	19.66	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	34575	19.22	ug/l	100
94) Hexachlorobutadiene	13.78	225	16424	17.38	ug/l	99
95) Naphthalene	13.83	128	106308	18.87	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	35341	19.29	ug/l	98

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

