

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002673.D
 Acq On : 17 Jun 2018 02:56
 Operator : JC/MD
 Sample : J3509-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:04:54 PM

Quant Time: Jun 18 04:26:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175220	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	149028	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
35) Dibromofluoromethane	5.51	113	119201	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	8.72	98	439074	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	164866	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	98961	46.680	ug/l	97
3) Chloromethane	1.32	50	115015	45.607	ug/l	100
4) Vinyl Chloride	1.41	62	128342	49.043	ug/l	99
5) Bromomethane	1.64	94	68143	43.156	ug/l	97
6) Chloroethane	1.73	64	86740	50.289	ug/l	98
7) Trichlorofluoromethane	1.93	101	218956	51.499	ug/l	98
8) Diethyl Ether	2.19	74	79298	49.037	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118852	50.010	ug/l	99
10) Methyl Iodide	2.51	142	124338	39.932	ug/l	98
11) Tert butyl alcohol	3.07	59	131146	209.050	ug/l	98
12) 1,1-Dichloroethene	2.38	96	110744	49.631	ug/l	94
13) Acrolein	2.30	56	58008	198.688	ug/l	99
14) Allyl chloride	2.73	41	210561	47.526	ug/l	98
15) Acrylonitrile	3.15	53	334329	244.222	ug/l	99
16) Acetone	2.45	43	307054	229.342	ug/l	99
17) Carbon Disulfide	2.57	76	274003	51.775	ug/l	98
18) Methyl Acetate	2.78	43	163033	45.708	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	413050	49.345	ug/l	99
20) Methylene Chloride	2.86	84	126200	45.972	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	120482	49.772	ug/l	96
22) Diisopropyl ether	3.87	45	395036	49.283	ug/l	94
23) Vinyl Acetate	3.83	43	1517855	226.249	ug/l	99
24) 1,1-Dichloroethane	3.70	63	227099	52.201	ug/l	99
25) 2-Butanone	4.71	43	431081	245.174	ug/l	100
26) 2,2-Dichloropropane	4.59	77	117475	37.580	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	126121	51.206	ug/l	91
28) Bromochloromethane	5.03	49	109400	53.696	ug/l	98
29) Tetrahydrofuran	5.17	42	284846	247.191	ug/l	97
30) Chloroform	5.22	83	222572	53.054	ug/l	97
31) Cyclohexane	5.58	56	176898	49.386	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	192403	54.835	ug/l	99
36) 1,1-Dichloropropene	5.81	75	157355	51.086	ug/l	99
37) Ethyl Acetate	4.87	43	158834	45.559	ug/l	100
38) Carbon Tetrachloride	5.79	117	164959	53.782	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175353	48.698	ug/l	98
40) Benzene	6.15	78	477417	51.691	ug/l	99
41) Methacrylonitrile	5.07	41	100499	51.055	ug/l	98
42) 1,2-Dichloroethane	6.20	62	186288	52.097	ug/l	100
43) Isopropyl Acetate	6.47	43	272423	47.163	ug/l	99
44) Trichloroethene	7.22	130	134838	50.581	ug/l	98
45) 1,2-Dichloropropane	7.52	63	126314	51.965	ug/l	99
46) Dibromomethane	7.67	93	88003	54.123	ug/l	99
47) Bromodichloromethane	7.90	83	160200	55.861	ug/l	99
48) Methyl methacrylate	7.78	41	149489	50.644	ug/l	97
49) 1,4-Dioxane	7.76	88	48020	859.052	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	950063	256.168	ug/l	100
52) Toluene	8.79	92	305674	51.883	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	177013	46.790	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	165100	45.873	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	127398	53.515	ug/l	98
56) Ethyl methacrylate	9.19	69	190729	52.061	ug/l	98
57) 1,3-Dichloropropane	9.38	76	207414	51.514	ug/l	100
59) 2-Hexanone	9.50	43	714470	255.653	ug/l	99
60) Dibromochloromethane	9.59	129	133604	49.899	ug/l	99
61) 1,2-Dibromoethane	9.68	107	133565	54.173	ug/l	100
64) Tetrachloroethene	9.34	164	139213	44.836	ug/l	98
65) Chlorobenzene	10.14	112	353859	51.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	130080	55.544	ug/l	99
67) Ethyl Benzene	10.26	91	587949	50.744	ug/l	100
68) m/p-Xylenes	10.36	106	462118	103.395	ug/l	98
69) o-Xylene	10.70	106	223537	50.905	ug/l	98
70) Stvrene	10.71	104	377273	52.242	ug/l	99
71) Bromoform	10.86	173	100137	47.260	ug/l #	100
73) Isopropylbenzene	11.02	105	600320	51.227	ug/l	100
74) N-amyl acetate	6.47	43	272423	46.788	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	190192	54.958	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	181414m	54.868	ug/l	
77) Bromobenzene	11.26	156	172547	52.851	ug/l	96
78) n-propylbenzene	11.37	91	680828	50.658	ug/l	100
79) 2-Chlorotoluene	11.43	91	403952	50.341	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	497680	50.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	43790	43.016	ug/l	95
82) 4-Chlorotoluene	11.51	91	484475	51.168	ug/l	99
83) tert-Butylbenzene	11.77	119	499769	52.383	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	518643	51.322	ug/l	98
85) sec-Butylbenzene	11.95	105	604873	50.987	ug/l	100
86) p-Isopropyltoluene	12.07	119	546896	50.950	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	305102	50.958	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	309130	50.743	ug/l	99
89) n-Butylbenzene	12.39	91	474365	50.096	ug/l	99
90) Hexachloroethane	12.60	117	78331	46.982	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	311121	51.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40998	56.558	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	224762	51.392	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	108885	47.262	ug/l	99
95) Naphthalene	13.84	128	634993	53.956	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	226500	51.565	ug/l	98

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

