

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003205.D
 Acq On : 06 Jul 2018 06:48
 Operator : JC/MD
 Sample : J3844-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-180702MS

Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:43 PM

Quant Time: Jul 06 08:12:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	349762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212220	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	145733	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	
35) Dibromofluoromethane	5.51	113	129781	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	8.72	98	399933	39.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.08%	
62) 4-Bromofluorobenzene	11.14	95	175213	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113446	51.21	ug/l	98
3) Chloromethane	1.32	50	114075	49.58	ug/l	99
4) Vinyl Chloride	1.40	62	140278	49.98	ug/l	98
5) Bromomethane	1.64	94	33088	23.83	ug/l	99
6) Chloroethane	1.72	64	87286	53.15	ug/l	97
7) Trichlorofluoromethane	1.93	101	227585	48.07	ug/l	99
8) Diethyl Ether	2.19	74	88974	51.70	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	132480	48.30	ug/l	97
10) Methyl Iodide	2.51	142	169046	59.43	ug/l	97
11) Tert butyl alcohol	3.09	59	196260	287.22	ug/l	99
12) 1,1-Dichloroethene	2.37	96	123186	50.33	ug/l	89
13) Acrolein	2.30	56	104479	275.37	ug/l	100
14) Allyl chloride	2.73	41	224161	46.46	ug/l	93
15) Acrylonitrile	3.15	53	413805	283.53	ug/l	99
16) Acetone	2.45	43	375970	264.68	ug/l	95
17) Carbon Disulfide	2.57	76	308433	47.30	ug/l	99
18) Methyl Acetate	2.78	43	236177	59.47	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	460212	52.31	ug/l	99
20) Methylene Chloride	2.86	84	145042	52.47	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	135113	50.69	ug/l	93
22) Diisopropyl ether	3.88	45	478239	51.86	ug/l	97
23) Vinyl Acetate	3.83	43	1720702	220.35	ug/l	99
24) 1,1-Dichloroethane	3.70	63	260359	51.94	ug/l	99
25) 2-Butanone	4.72	43	634834	301.13	ug/l	97
26) 2,2-Dichloropropane	4.59	77	83519	20.49	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	162536	54.38	ug/l	89
28) Bromochloromethane	5.03	49	114749	47.83	ug/l	89
29) Tetrahydrofuran	5.17	42	404655	299.32	ug/l	96
30) Chloroform	5.22	83	285097	55.42	ug/l	95
31) Cyclohexane	5.58	56	225765	52.48	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	246692	54.51	ug/l	99
36) 1,1-Dichloropropene	5.80	75	198671	51.80	ug/l	98
37) Ethyl Acetate	4.87	43	207442	50.23	ug/l	98
38) Carbon Tetrachloride	5.78	117	224136	53.25	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220027	49.25	ug/l	98
40) Benzene	6.15	78	611072	54.83	ug/l	100
41) Methacrylonitrile	5.07	41	133585	56.17	ug/l	97
42) 1,2-Dichloroethane	6.20	62	230428	51.19	ug/l	98
43) Isopropyl Acetate	6.48	43	346955	50.09	ug/l	97
44) Trichloroethene	7.22	130	176810	53.21	ug/l	99
45) 1,2-Dichloropropane	7.53	63	160093	54.15	ug/l	100
46) Dibromomethane	7.67	93	110055	53.64	ug/l	94
47) Bromodichloromethane	7.90	83	211112	55.66	ug/l	98
48) Methyl methacrylate	7.79	41	199722	55.96	ug/l	94
49) 1,4-Dioxane	7.76	88	84282	1213.86	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1261972	291.22	ug/l	97
52) Toluene	8.79	92	393266	55.08	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	209305	48.73	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	197612	47.81	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	165429	56.39	ug/l	98
56) Ethyl methacrylate	9.19	69	240354	56.06	ug/l	92
57) 1,3-Dichloropropane	9.38	76	265303	55.06	ug/l	99
59) 2-Hexanone	9.50	43	968798	294.16	ug/l	95
60) Dibromochloromethane	9.59	129	178984	57.95	ug/l	100
61) 1,2-Dibromoethane	9.68	107	174440	56.69	ug/l	99
64) Tetrachloroethene	9.34	164	196795	53.30	ug/l	98
65) Chlorobenzene	10.14	112	454434	53.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172509	56.30	ug/l	99
67) Ethyl Benzene	10.26	91	758712	54.46	ug/l	100
68) m/p-Xylenes	10.36	106	593396	110.51	ug/l	97
69) o-Xylene	10.70	106	292040	55.86	ug/l	96
70) Stvrene	10.71	104	470952	55.43	ug/l	98
71) Bromoform	10.86	173	145953	52.51	ug/l	99
73) Isopropylbenzene	11.02	105	783854	54.90	ug/l	99
74) N-amyl acetate	6.48	43	346955	49.67	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	245050	55.72	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	240467m	62.55	ug/l	
77) Bromobenzene	11.26	156	221226	54.41	ug/l	95
78) n-propylbenzene	11.37	91	864356	53.19	ug/l	98
79) 2-Chlorotoluene	11.43	91	521711	53.03	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	656255	54.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	50765	39.10	ug/l	99
82) 4-Chlorotoluene	11.51	91	612887	52.62	ug/l	98
83) tert-Butylbenzene	11.77	119	661933	55.86	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	676428	54.29	ug/l	98
85) sec-Butylbenzene	11.95	105	772718	53.75	ug/l	99
86) p-Isopropyltoluene	12.07	119	691368	53.49	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	400162	53.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	400108	52.36	ug/l	99
89) n-Butylbenzene	12.39	91	553565	49.21	ug/l	98
90) Hexachloroethane	12.60	117	109117	56.76	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	408383	54.49	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57380	58.04	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	300908	55.17	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	136372	50.13	ug/l	99
95) Naphthalene	13.84	128	867113	59.69	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	306856	56.32	ug/l	99

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

