

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005842.D
 Acq On : 08 Nov 2018 13:16
 Operator : JC/MD
 Sample : VX1108WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:37:05 AM

Quant Time: Nov 08 13:46:14 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	5.65	168	130223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	178832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	147459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	80766	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	5.49	113	66724	54.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	8.71	98	213891	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.14	95	79990	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	28903	24.617	ug/l	98
3) Chloromethane	1.32	50	35797	23.232	ug/l	99
4) Vinyl Chloride	1.40	62	36039	23.298	ug/l	95
5) Bromomethane	1.64	94	19529	20.630	ug/l	94
6) Chloroethane	1.72	64	21238	23.010	ug/l	96
7) Trichlorofluoromethane	1.93	101	48155	23.453	ug/l	86
8) Diethyl Ether	2.18	74	19296	23.983	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28713	24.314	ug/l	99
10) Methyl Iodide	2.51	142	22251	15.547	ug/l	99
11) Tert butyl alcohol	3.06	59	46644	108.762	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27019	23.474	ug/l	87
13) Acrolein	2.29	56	20686	112.570	ug/l	99
14) Allyl chloride	2.73	41	60327	23.467	ug/l	99
15) Acrylonitrile	3.15	53	103263	116.187	ug/l	99
16) Acetone	2.44	43	98128	121.737	ug/l	92
17) Carbon Disulfide	2.57	76	81664	23.786	ug/l	98
18) Methyl Acetate	2.78	43	53173	23.839	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	94312	24.007	ug/l	98
20) Methylene Chloride	2.86	84	30619	23.125	ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	29569	24.356	ug/l	83
22) Diisopropyl ether	3.87	45	109726	24.366	ug/l #	95
23) Vinyl Acetate	3.82	43	492056	127.436	ug/l	99
24) 1,1-Dichloroethane	3.69	63	58309	24.269	ug/l	97
25) 2-Butanone	4.70	43	146074	115.267	ug/l	95
26) 2,2-Dichloropropane	4.57	77	45495	25.814	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	32378	24.153	ug/l	99
28) Bromochloromethane	5.02	49	28599	26.634	ug/l	99
29) Tetrahydrofuran	5.15	42	96284	118.332	ug/l	99
30) Chloroform	5.21	83	54519	23.520	ug/l	99
31) Cyclohexane	5.57	56	49745	23.852	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	46458	24.029	ug/l	99
36) 1,1-Dichloropropene	5.80	75	42633	24.729	ug/l	97
37) Ethyl Acetate	4.84	43	52459	23.140	ug/l	99
38) Carbon Tetrachloride	5.78	117	41824	24.233	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	41019	23.476	ug/l	97
40) Benzene	6.15	78	118050	23.489	ug/l	99
41) Methacrylonitrile	5.06	41	30025	24.510	ug/l	99
42) 1,2-Dichloroethane	6.20	62	42784	23.767	ug/l	100
43) Isopropyl Acetate	6.46	43	70843	21.565	ug/l	97
44) Trichloroethene	7.21	130	29353	22.998	ug/l	85
45) 1,2-Dichloropropane	7.51	63	27513	22.554	ug/l	96
46) Dibromomethane	7.66	93	18144	23.703	ug/l	99
47) Bromodichloromethane	7.90	83	35014	24.204	ug/l	100
48) Methyl methacrylate	7.77	41	34984	23.717	ug/l	98
49) 1,4-Dioxane	7.74	88	14907	468.996	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	233687	112.873	ug/l	100
52) Toluene	8.79	92	63690	22.675	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	38378	22.481	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	41801	24.023	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	26171	20.906	ug/l	99
56) Ethyl methacrylate	9.18	69	39541	21.110	ug/l	97
57) 1,3-Dichloropropane	9.37	76	43963	20.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	117567	119.653	ug/l	100
59) 2-Hexanone	9.49	43	185360	101.572	ug/l	99
60) Dibromochloromethane	9.59	129	27891	20.615	ug/l	100
61) 1,2-Dibromoethane	9.67	107	27615	19.949	ug/l	100
64) Tetrachloroethene	9.34	164	29267	23.312	ug/l	98
65) Chlorobenzene	10.14	112	72151	24.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	26476	25.780	ug/l	99
67) Ethyl Benzene	10.25	91	121863	25.726	ug/l	99
68) m/p-Xylenes	10.36	106	95154	52.663	ug/l	98
69) o-Xylene	10.70	106	45023	27.789	ug/l	99
70) Styrene	10.71	104	75197	28.135	ug/l	99
71) Bromoform	10.86	173	22696	26.362	ug/l #	100
73) Isopropylbenzene	11.02	105	124967	25.896	ug/l	99
74) N-amyl acetate	10.90	43	59964	22.843	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	42018	23.722	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	41913m	24.667	ug/l	
77) Bromobenzene	11.26	156	33205	24.413	ug/l	99
78) n-propylbenzene	11.36	91	146814	25.815	ug/l	99
79) 2-Chlorotoluene	11.42	91	86176	25.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	108555	26.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	12872	24.144	ug/l	98
82) 4-Chlorotoluene	11.51	91	103459	25.538	ug/l	100
83) tert-Butylbenzene	11.77	119	103769	25.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	111105	24.489	ug/l	99
85) sec-Butylbenzene	11.94	105	127325	25.098	ug/l	100
86) p-Isopropyltoluene	12.07	119	116030	25.820	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	62052	23.772	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	63268	23.676	ug/l	99
89) n-Butylbenzene	12.39	91	102241	24.549	ug/l	100
90) Hexachloroethane	12.60	117	18629	24.830	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	61580	23.549	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10561	24.434	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	47045	25.556	ug/l	99
94) Hexachlorobutadiene	13.79	225	23664	24.472	ug/l	99
95) Naphthalene	13.83	128	136008	23.299	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47045	25.085	ug/l	99

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

