

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001189.D
 Acq On : 28 Apr 2018 00:08
 Operator : JC/MD
 Sample : VX0427WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:42 PM

Quant Time: Apr 28 04:17:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	275947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	139301	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	
35) Dibromofluoromethane	5.51	113	112482	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.72	98	421008	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.14	95	159942	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	43604	20.57	ug/l	99
3) Chloromethane	1.32	50	42351	19.08	ug/l	99
4) Vinyl Chloride	1.40	62	47617	20.22	ug/l	95
5) Bromomethane	1.64	94	37288	24.76	ug/l	97
6) Chloroethane	1.73	64	29475	19.89	ug/l	99
7) Trichlorofluoromethane	1.93	101	82315	21.64	ug/l	99
8) Diethyl Ether	2.19	74	28195	19.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44363	21.17	ug/l	99
10) Methyl Iodide	2.51	142	32874	20.14	ug/l	99
11) Tert butyl alcohol	3.07	59	57946	93.80	ug/l	98
12) 1,1-Dichloroethene	2.38	96	41343	20.23	ug/l	99
13) Acrolein	2.30	56	15836	67.81	ug/l	98
14) Allyl chloride	2.73	41	74712	20.04	ug/l	98
15) Acrylonitrile	3.15	53	122265	92.69	ug/l	100
16) Acetone	2.45	43	113094	87.79	ug/l	99
17) Carbon Disulfide	2.57	76	99922	19.16	ug/l	100
18) Methyl Acetate	2.78	43	63195	19.60	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	148837	19.79	ug/l	100
20) Methylene Chloride	2.86	84	46820	19.52	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	45018	19.93	ug/l	98
22) Diisopropyl ether	3.88	45	141519	18.97	ug/l	95
23) Vinyl Acetate	3.83	43	608705	96.19	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78097	19.92	ug/l	99
25) 2-Butanone	4.71	43	169196	87.78	ug/l	100
26) 1,2-Dichloropropane	4.59	77	51420	16.66	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	48680	19.68	ug/l	99
28) Bromochloromethane	5.03	49	35484	20.19	ug/l	98
29) Tetrahydrofuran	5.17	42	108902	87.88	ug/l	99
30) Chloroform	5.22	83	84799	20.34	ug/l	97
31) Cyclohexane	5.58	56	67744	20.34	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	72590	20.17	ug/l	98
36) 1,1-Dichloropropene	5.81	75	60808	20.00	ug/l	99
37) Ethyl Acetate	4.87	43	66587	18.29	ug/l	100
38) Carbon Tetrachloride	5.79	117	63801	20.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	69193	20.56	ug/l	99
40) Benzene	6.15	78	182760	20.78	ug/l	99
41) Methacrylonitrile	5.07	41	37978	18.56	ug/l	99
42) 1,2-Dichloroethane	6.21	62	71927	20.29	ug/l	99
43) Isopropyl Acetate	6.48	43	106459	18.61	ug/l	99
44) Trichloroethene	7.22	130	55121	21.03	ug/l	97
45) 1,2-Dichloropropane	7.53	63	46052	19.90	ug/l	98
46) Dibromomethane	7.67	93	33095	20.66	ug/l	99
47) Bromodichloromethane	7.91	83	58321	20.04	ug/l	99
48) Methyl methacrylate	7.79	41	56594	18.62	ug/l	99
49) 1,4-Dioxane	7.76	88	22283	366.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	354870	94.46	ug/l	97
52) Toluene	8.79	92	119852	20.84	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	65808	19.45	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	60058	18.49	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	48456	19.91	ug/l	95
56) Ethyl methacrylate	9.19	69	68213	18.92	ug/l	98
57) 1,3-Dichloropropane	9.38	76	80229	20.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	159989	93.85	ug/l	99
59) 2-Hexanone	9.51	43	267171	90.77	ug/l	99
60) Dibromochloromethane	9.59	129	49191	19.49	ug/l	100
61) 1,2-Dibromoethane	9.68	107	51971	20.38	ug/l	99
64) Tetrachloroethene	9.34	164	62133	22.13	ug/l	99
65) Chlorobenzene	10.15	112	140882	20.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	49000	20.55	ug/l	99
67) Ethyl Benzene	10.26	91	232100	20.73	ug/l	97
68) m/p-Xylenes	10.37	106	182268	41.18	ug/l	98
69) o-Xylene	10.71	106	89713	20.90	ug/l	100
70) Styrene	10.72	104	145574	20.37	ug/l	100
71) Bromoform	10.87	173	37575	18.45	ug/l #	100
73) Isopropylbenzene	11.02	105	239714	20.77	ug/l	100
74) N-amyl acetate	6.48	43	106459	18.30	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72870	19.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	67663m	18.76	ug/l	
77) Bromobenzene	11.26	156	70297	20.54	ug/l	98
78) n-propylbenzene	11.37	91	268199	20.84	ug/l	100
79) 2-Chlorotoluene	11.43	91	161252	20.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204036	20.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	13995	16.22	ug/l	88
82) 4-Chlorotoluene	11.52	91	194979	20.56	ug/l	100
83) tert-Butylbenzene	11.77	119	196912	20.19	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	210422	20.95	ug/l	100
85) sec-Butylbenzene	11.95	105	240957	21.15	ug/l	100
86) p-Isopropyltoluene	12.07	119	219709	20.73	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	124594	20.28	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	129628	20.25	ug/l	100
89) n-Butylbenzene	12.40	91	183664	20.02	ug/l	100
90) Hexachloroethane	12.60	117	29610	19.52	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	125938	20.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14805	17.52	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96536	19.83	ug/l	100
94) Hexachlorobutadiene	13.79	225	46086	20.14	ug/l	99
95) Naphthalene	13.84	128	265705	19.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97995	20.23	ug/l	99

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

