

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000527.D
 Acq On : 29 Mar 2018 21:31
 Operator : JC/MD
 Sample : VX0329WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Manual Integrations
 APPROVED

sam
 3/30/2018 4:10:30 PM

Quant Time: Mar 30 07:54:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	110640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	195419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	74773	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	59520	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.73	98	243998	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.15	95	93081	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21792	17.87	ug/l	95
3) Chloromethane	1.32	50	22493	17.51	ug/l	96
4) Vinyl Chloride	1.40	62	31050	22.88	ug/l	97
5) Bromomethane	1.64	94	36889	22.73	ug/l	99
6) Chloroethane	1.73	64	21541	28.03	ug/l	97
7) Trichlorofluoromethane	1.93	101	58393	23.83	ug/l	95
8) Diethyl Ether	2.20	74	21500	24.56	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32360	23.69	ug/l	97
10) Methyl Iodide	2.51	142	13060	13.10	ug/l	98
11) Tert butyl alcohol	3.08	59	74670	150.31	ug/l	99
12) 1,1-Dichloroethene	2.38	96	28963	24.15	ug/l	97
13) Acrolein	2.30	56	18106	122.07	ug/l	100
14) Allyl chloride	2.73	41	53165	25.05	ug/l	99
15) Acrylonitrile	3.15	53	133844	133.02	ug/l	100
16) Acetone	2.45	43	135156	112.50	ug/l	99
17) Carbon Disulfide	2.57	76	68874	21.60	ug/l	100
18) Methyl Acetate	2.78	43	70663	28.05	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	112920	25.46	ug/l	98
20) Methylene Chloride	2.86	84	34434	24.81	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	32290	24.14	ug/l	97
22) Diisopropyl ether	3.89	45	69937	18.66	ug/l	93
23) Vinyl Acetate	3.84	43	319497	89.90	ug/l	99
24) 1,1-Dichloroethane	3.70	63	49488	21.00	ug/l	99
25) 2-Butanone	4.72	43	144756	107.19	ug/l	100
26) 2,2-Dichloropropane	4.60	77	29310	17.74	ug/l	95
27) cis-1,2-Dichloroethene	4.61	96	26897	21.51	ug/l	93
28) Bromochloromethane	5.03	49	19769	20.34	ug/l	97
29) Tetrahydrofuran	5.18	42	91804	110.49	ug/l	98
30) Chloroform	5.23	83	47711	21.60	ug/l	96
31) Cyclohexane	5.58	56	35487	19.48	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	41299	20.72	ug/l	98
36) 1,1-Dichloropropene	5.81	75	35130	19.94	ug/l	99
37) Ethyl Acetate	4.88	43	49886	20.73	ug/l	100
38) Carbon Tetrachloride	5.79	117	35083	18.98	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	42012	19.61	ug/l	98
40) Benzene	6.15	78	105756	20.67	ug/l	96
41) Methacrylonitrile	5.07	41	25019	19.72	ug/l	98
42) 1,2-Dichloroethane	6.21	62	41013	20.43	ug/l	99
43) Isopropyl Acetate	6.48	43	72573	20.26	ug/l	99
44) Trichloroethene	7.22	130	30317	20.68	ug/l	92
45) 1,2-Dichloropropane	7.52	63	28433	21.71	ug/l	100
46) Dibromomethane	7.67	93	20803	20.24	ug/l	93
47) Bromodichloromethane	7.91	83	38288	21.17	ug/l	98
48) Methyl methacrylate	7.79	41	37142	21.35	ug/l	98
49) 1,4-Dioxane	7.77	88	18094	494.92	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	307990	111.07	ug/l	98
52) Toluene	8.79	92	71763	20.06	ug/l	95
53) t-1,3-Dichloropropene	8.45	75	43185	20.60	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	40115	19.73	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	31771	21.60	ug/l	98
56) Ethyl methacrylate	9.19	69	45214	20.28	ug/l	96
57) 1,3-Dichloropropane	9.38	76	50844	21.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	91178	85.23	ug/l	99
59) 2-Hexanone	9.51	43	252752	107.34	ug/l	99
60) Dibromochloromethane	9.59	129	31763	20.86	ug/l	98
61) 1,2-Dibromoethane	9.68	107	33242	21.07	ug/l	97
64) Tetrachloroethene	9.34	164	30007	19.79	ug/l	94
65) Chlorobenzene	10.15	112	88812	20.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	29728	20.13	ug/l	97
67) Ethyl Benzene	10.26	91	149316	20.25	ug/l	100
68) m/p-Xylenes	10.37	106	117451	40.49	ug/l	98
69) o-Xylene	10.71	106	57102	20.33	ug/l	97
70) Styrene	10.72	104	92520	19.91	ug/l	100
71) Bromoform	10.87	173	23542	18.61	ug/l #	99
73) Isopropylbenzene	11.02	105	154614	20.95	ug/l	99
74) N-amyl acetate	6.48	43	72573	20.63	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57329	21.97	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	51466m	21.50	ug/l	
77) Bromobenzene	11.26	156	37765	19.21	ug/l	95
78) n-propylbenzene	11.37	91	178362	20.27	ug/l	99
79) 2-Chlorotoluene	11.43	91	104601	20.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	127903	20.62	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	13255	17.93	ug/l	90
82) 4-Chlorotoluene	11.52	91	122788	20.23	ug/l	98
83) tert-Butylbenzene	11.78	119	127652	20.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	131990	20.29	ug/l	100
85) sec-Butylbenzene	11.95	105	159702	20.63	ug/l	99
86) p-Isopropyltoluene	12.07	119	139719	20.32	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	74596	20.07	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77153	19.77	ug/l	97
89) n-Butylbenzene	12.40	91	133134	20.80	ug/l	98
90) Hexachloroethane	12.60	117	21749	20.10	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	74743	20.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15260	20.97	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53770	20.58	ug/l	99
94) Hexachlorobutadiene	13.79	225	22560	20.86	ug/l	96
95) Naphthalene	13.84	128	188512	20.72	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	55297	21.42	ug/l	100

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

