

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000361.D
 Acq On : 20 Mar 2018 13:32
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:15 AM

Quant Time: Mar 21 10:59:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	127005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	187661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95346	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1615	1.18	ug/l	95
3) Chloromethane	1.32	50	1840	1.32	ug/l #	86
4) Vinyl Chloride	1.41	62	1841	1.18	ug/l	99
5) Bromomethane	1.65	94	1799	1.03	ug/l	96
6) Chloroethane	1.73	64	1626	1.46	ug/l #	81
7) Trichlorofluoromethane	1.93	101	3190	1.18	ug/l	91
8) Diethyl Ether	2.20	74	1192	1.23	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1835	1.26	ug/l	94
12) 1,1-Dichloroethene	2.38	96	1561	1.13	ug/l	91
14) Allyl chloride	2.73	41	3403	1.38	ug/l #	90
15) Acrylonitrile	3.15	53	6636	6.05	ug/l	98
16) Acetone	2.45	43	7923	6.75	ug/l	95
17) Carbon Disulfide	2.57	76	5598	1.38	ug/l	100
18) Methyl Acetate	2.78	43	3494	1.33	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	5619	1.15	ug/l	98
20) Methylene Chloride	2.86	84	2019	1.33	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	1728	1.13	ug/l	85
22) Diisopropyl ether	3.89	45	4086	0.99	ug/l #	89
23) Vinyl Acetate	3.84	43	17821	4.54	ug/l #	94
24) 1,1-Dichloroethane	3.71	63	3064	1.18	ug/l #	91
25) 2-Butanone	4.72	43	7889	5.63	ug/l #	86
26) 2,2-Dichloropropane	4.60	77	1572	0.84	ug/l #	71
27) cis-1,2-Dichloroethene	4.61	96	1638	1.17	ug/l	91
28) Bromochloromethane	5.04	49	1091	1.00	ug/l #	98
29) Tetrahydrofuran	5.18	42	5036	5.58	ug/l	95
30) Chloroform	5.23	83	2447	1.00	ug/l	89
31) Cyclohexane	5.59	56	2368	1.19	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	2403	1.11	ug/l #	49
36) 1,1-Dichloropropene	5.81	75	2128	1.16	ug/l	94
37) Ethyl Acetate	4.87	43	2854	1.17	ug/l #	75
38) Carbon Tetrachloride	5.79	117	2308	1.25	ug/l #	95
39) Methylcyclohexane	7.47	83	2474	1.16	ug/l	93
40) Benzene	6.15	78	6050	1.16	ug/l	91
41) Methacrylonitrile	5.07	41	1605	1.25	ug/l #	30

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	6.21	62	2494	1.21	ug/l	97
43) Isopropyl Acetate	6.48	43	3987	1.13	ug/l #	96
44) Trichloroethene	7.22	130	1813	1.20	ug/l	76
45) 1,2-Dichloropropane	7.52	63	1393	1.09	ug/l #	52
46) Dibromomethane	7.66	93	1293	1.25	ug/l	94
47) Bromodichloromethane	7.91	83	1857	1.01	ug/l #	92
48) Methyl methacrylate	7.79	41	1923	1.08	ug/l #	75
49) 1,4-Dioxane	7.78	88	847	21.16	ug/l	89
51) 4-Methyl-2-Pentanone	8.66	43	13706	5.02	ug/l	97
52) Toluene	8.79	92	4056	1.11	ug/l	83
53) t-1,3-Dichloropropene	8.44	75	2211	1.05	ug/l #	81
54) cis-1,3-Dichloropropene	9.05	75	1947	0.94	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	1581	1.08	ug/l	95
56) Ethyl methacrylate	9.19	69	2260	1.04	ug/l #	93
57) 1,3-Dichloropropane	9.38	76	2610	1.10	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	5183	5.19	ug/l	94
59) 2-Hexanone	9.51	43	11323	4.92	ug/l	94
60) Dibromochloromethane	9.59	129	1220	0.79	ug/l	82
61) 1,2-Dibromoethane	9.68	107	1555	0.96	ug/l	90
64) Tetrachloroethene	9.34	164	1739	1.30	ug/l	91
65) Chlorobenzene	10.15	112	4594	1.20	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.23	131	1420	1.10	ug/l #	62
67) Ethyl Benzene	10.26	91	7361	1.13	ug/l	92
68) m/p-Xylenes	10.37	106	5296	2.09	ug/l	97
69) o-Xylene	10.71	106	2655	1.08	ug/l	92
70) Styrene	10.72	104	3978	0.97	ug/l	98
71) Bromoform	10.87	173	1013	0.90	ug/l #	88
73) Isopropylbenzene	11.02	105	6356	1.11	ug/l	94
74) N-amyl acetate	6.48	43	3987	1.45	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	2211	1.08	ug/l	87
76) 1,2,3-Trichloropropane	11.30	75	2301m	1.20	ug/l	
77) Bromobenzene	11.26	156	1990	1.32	ug/l	92
78) n-propylbenzene	11.37	91	8392	1.21	ug/l	98
79) 2-Chlorotoluene	11.43	91	4919	1.25	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	5157	1.05	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.08	75	533	0.95	ug/l #	66
82) 4-Chlorotoluene	11.52	91	5567	1.15	ug/l	99
83) tert-Butylbenzene	11.78	119	5386	1.13	ug/l	94
84) 1,2,4-Trimethylbenzene	11.82	105	5830	1.16	ug/l	94
85) sec-Butylbenzene	11.96	105	6623	1.11	ug/l	100
86) p-Isopropyltoluene	12.07	119	5505	1.04	ug/l	85
87) 1,3-Dichlorobenzene	12.04	146	3638	1.23	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	3986m	1.30	ug/l	
89) n-Butylbenzene	12.40	91	5604	1.08	ug/l	95
90) Hexachloroethane	12.60	117	855	1.00	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	3068	1.07	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	13.01	75	681	1.23	ug/l	83
93) 1,2,4-Trichlorobenzene	13.66	180	2548	1.23	ug/l	96
94) Hexachlorobutadiene	13.79	225	981	1.20	ug/l	84
95) Naphthalene	13.84	128	7894	1.10	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.03	180	2366	1.13	ug/l	92

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

