

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001936.D
 Acq On : 24 May 2018 10:53
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:50 PM

Quant Time: May 24 12:54:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	251155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	31187	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
35) Dibromofluoromethane	5.51	113	24826	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
50) Toluene-d8	8.72	98	84199	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
62) 4-Bromofluorobenzene	11.14	95	31373	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	23931	5.69	ug/l	95
3) Chloromethane	1.33	50	26658	5.56	ug/l	97
4) Vinyl Chloride	1.41	62	25421	5.49	ug/l	99
5) Bromomethane	1.64	94	13696	6.14	ug/l	95
6) Chloroethane	1.72	64	14371	5.26	ug/l	99
7) Trichlorofluoromethane	1.93	101	37516	5.37	ug/l	98
8) Diethyl Ether	2.19	74	13996	5.46	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	20803	5.42	ug/l	98
10) Methyl Iodide	2.51	142	23658	4.00	ug/l	98
11) Tert butyl alcohol	3.09	59	29374	26.11	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	19943	5.57	ug/l	93
13) Acrolein	2.30	56	14887	33.38	ug/l	89
14) Allyl chloride	2.73	41	40664	5.28	ug/l	98
15) Acrylonitrile	3.16	53	59541	25.82	ug/l	98
16) Acetone	2.46	43	58125	26.92	ug/l	99
17) Carbon Disulfide	2.57	76	55371	5.29	ug/l	99
18) Methyl Acetate	2.79	43	30364	5.44	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	73160	5.30	ug/l	96
20) Methylene Chloride	2.86	84	23097	5.76	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	20715	5.38	ug/l	96
22) Diisopropyl ether	3.89	45	85961	5.32	ug/l	98
23) Vinyl Acetate	3.83	43	349181	26.58	ug/l	99
24) 1,1-Dichloroethane	3.70	63	38973	5.24	ug/l	97
25) 2-Butanone	4.73	43	105580	25.92	ug/l	97
26) 2,2-Dichloropropane	4.59	77	40612	5.50	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	25001	5.23	ug/l	38
28) Bromochloromethane	5.03	49	12152	3.58	ug/l	99
29) Tetrahydrofuran	5.18	42	69378	26.36	ug/l	99
30) Chloroform	5.22	83	43884	5.33	ug/l	100
31) Cyclohexane	5.57	56	41853	5.50	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	41129	5.27	ug/l	98
36) 1,1-Dichloropropene	5.81	75	30703	5.08	ug/l	98
37) Ethyl Acetate	4.87	43	40694	5.09	ug/l	97
38) Carbon Tetrachloride	5.79	117	36989	5.25	ug/l	97

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 ALS Vial : 3 Sample Multiplier: 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38316	5.20	ug/l	98
40) Benzene	6.15	78	95045	5.29	ug/l	98
41) Methacrylonitrile	5.08	41	24094	5.42	ug/l	100
42) 1,2-Dichloroethane	6.20	62	36987	5.28	ug/l	97
43) Isopropyl Acetate	6.48	43	69794	5.21	ug/l	99
44) Trichloroethene	7.22	130	26860	5.18	ug/l	95
45) 1,2-Dichloropropane	7.52	63	24496	5.12	ug/l	99
46) Dibromomethane	7.67	93	16565	5.13	ug/l	97
47) Bromodichloromethane	7.90	83	34960	5.15	ug/l	99
48) Methyl methacrylate	7.79	41	36197	5.35	ug/l	98
49) 1,4-Dioxane	7.77	88	12305	100.89	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	212677	26.26	ug/l	99
52) Toluene	8.79	92	57729	5.09	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	41201	5.14	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	40084	5.17	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	23966	5.16	ug/l	95
56) Ethyl methacrylate	9.19	69	41755	5.22	ug/l	97
57) 1,3-Dichloropropane	9.38	76	40111	5.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	94175	26.09	ug/l	100
59) 2-Hexanone	9.51	43	166055	26.50	ug/l	99
60) Dibromochloromethane	9.59	129	28513	5.03	ug/l	99
61) 1,2-Dibromoethane	9.68	107	25363	5.09	ug/l	99
64) Tetrachloroethene	9.34	164	29052	5.17	ug/l	99
65) Chlorobenzene	10.14	112	63407	5.10	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	26368	5.29	ug/l	99
67) Ethyl Benzene	10.26	91	112831	5.17	ug/l	99
68) m/p-Xylenes	10.36	106	85138	10.25	ug/l	98
69) o-Xylene	10.70	106	43531	5.29	ug/l	98
70) Styrene	10.72	104	69876	5.06	ug/l	99
71) Bromoform	10.86	173	23432	4.83	ug/l	96
73) Isopropylbenzene	11.02	105	113718	5.61	ug/l	100
74) N-amyl acetate	6.48	43	69794	5.85	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	35603	6.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	32389m	5.84	ug/l	
77) Bromobenzene	11.26	156	29200	5.42	ug/l	98
78) n-propylbenzene	11.37	91	124698	5.42	ug/l	100
79) 2-Chlorotoluene	11.43	91	78409	5.69	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	96036	5.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	13597	5.83	ug/l	95
82) 4-Chlorotoluene	11.52	91	87485	5.44	ug/l	96
83) tert-Butylbenzene	11.77	119	93881	5.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	99345	5.60	ug/l	99
85) sec-Butylbenzene	11.95	105	111771	5.44	ug/l	100
86) p-Isopropyltoluene	12.07	119	96993	5.26	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	51242	5.33	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	50063	5.17	ug/l	95
89) n-Butylbenzene	12.40	91	78554	4.90	ug/l	100
90) Hexachloroethane	12.60	117	19192	5.31	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	52654	5.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	10324	5.72	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35134	4.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	19114	4.96	ug/l	96
95) Naphthalene	13.84	128	116780	5.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	38200	5.15	ug/l	99

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

