

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004023.D
 Acq On : 14 Aug 2018 11:08
 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
 8/15/2018 4:49:51 PM

Quant Time: Aug 14 13:03:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	456702	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	250408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	23984	5.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.32%	
35) Dibromofluoromethane	5.51	113	17676	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
50) Toluene-d8	8.71	98	69116	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
62) 4-Bromofluorobenzene	11.14	95	22334	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	13828	4.27	ug/l	94
3) Chloromethane	1.32	50	18292	4.15	ug/l	98
4) Vinyl Chloride	1.40	62	19581	4.46	ug/l	99
5) Bromomethane	1.64	94	11621	4.15	ug/l	96
6) Chloroethane	1.72	64	17078	6.08	ug/l	93
7) Trichlorofluoromethane	1.93	101	28151	4.85	ug/l	99
8) Diethyl Ether	2.18	74	12185	4.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17806	4.91	ug/l	99
10) Methyl Iodide	2.51	142	12781	2.83	ug/l	97
11) Tert butyl alcohol	3.04	59	22891	22.49	ug/l	98
12) 1,1-Dichloroethene	2.37	96	16466	4.80	ug/l	96
13) Acrolein	2.29	56	8471	15.10	ug/l	93
14) Allyl chloride	2.73	41	30950	4.68	ug/l	98
15) Acrylonitrile	3.14	53	55957	23.04	ug/l	100
16) Acetone	2.44	43	58215	23.11	ug/l	99
17) Carbon Disulfide	2.57	76	43526	4.16	ug/l	99
18) Methyl Acetate	2.77	43	25019	4.56	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	56772	4.67	ug/l	100
20) Methylene Chloride	2.86	84	21281	3.48	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	18338	4.71	ug/l	99
22) Diisopropyl ether	3.86	45	60762	5.00	ug/l	91
23) Vinyl Acetate	3.82	43	243709	24.11	ug/l	100
24) 1,1-Dichloroethane	3.70	63	35259	4.89	ug/l	99
25) 2-Butanone	4.70	43	93725	24.74	ug/l	97
26) 2,2-Dichloropropane	4.58	77	27189	5.22	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	21399	5.07	ug/l	85
28) Bromochloromethane	5.02	49	15751	5.10	ug/l	94
29) Tetrahydrofuran	5.15	42	46761	24.02	ug/l	99
30) Chloroform	5.21	83	34165	5.03	ug/l	98
31) Cyclohexane	5.57	56	29839	4.89	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	27941	4.90	ug/l	98
36) 1,1-Dichloropropene	5.80	75	24500	4.79	ug/l	99
37) Ethyl Acetate	4.85	43	28586	5.08	ug/l	98
38) Carbon Tetrachloride	5.78	117	24347	5.00	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	26219	4.35	ug/l	95
40) Benzene	6.15	78	76573	4.99	ug/l	98
41) Methacrylonitrile	5.06	41	15759	5.09	ug/l	97
42) 1,2-Dichloroethane	6.20	62	27646	5.32	ug/l	100
43) Isopropyl Acetate	6.46	43	39296	4.64	ug/l	100
44) Trichloroethene	7.21	130	20523	4.89	ug/l	99
45) 1,2-Dichloropropane	7.52	63	19858	5.01	ug/l	98
46) Dibromomethane	7.67	93	12888	5.00	ug/l	99
47) Bromodichloromethane	7.90	83	23568	4.86	ug/l	98
48) Methyl methacrylate	7.78	41	18586	4.32	ug/l	99
49) 1,4-Dioxane	7.76	88	8435	83.19	ug/l	90
51) 4-Methyl-2-Pentanone	8.65	43	160689	22.90	ug/l	98
52) Toluene	8.79	92	48409	4.99	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	23245	4.24	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	26514	4.48	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	20380	5.14	ug/l	98
56) Ethyl methacrylate	9.18	69	23301	4.05	ug/l	97
57) 1,3-Dichloropropane	9.37	76	33613	5.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	61583	21.77	ug/l	100
59) 2-Hexanone	9.50	43	120060	22.88	ug/l	95
60) Dibromochloromethane	9.59	129	17521	4.74	ug/l	99
61) 1,2-Dibromoethane	9.67	107	20215	5.09	ug/l	99
64) Tetrachloroethene	9.34	164	20180	4.89	ug/l	95
65) Chlorobenzene	10.14	112	52829	4.84	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	17989	4.80	ug/l	98
67) Ethyl Benzene	10.25	91	80160	4.49	ug/l	97
68) m/p-Xylenes	10.36	106	60603	8.68	ug/l	99
69) o-Xylene	10.70	106	29338	4.45	ug/l	95
70) Styrene	10.71	104	47397	4.39	ug/l	97
71) Bromoform	10.86	173	12933	4.61	ug/l #	98
73) Isopropylbenzene	11.02	105	80552	4.35	ug/l	98
74) N-amyl acetate	6.46	43	39296	4.08	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	29612	4.66	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	24872m	4.50	ug/l	
77) Bromobenzene	11.26	156	22713	4.60	ug/l	99
78) n-propylbenzene	11.36	91	89287	4.29	ug/l	97
79) 2-Chlorotoluene	11.42	91	55496	4.38	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	64440	4.27	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	6516	3.59	ug/l #	82
82) 4-Chlorotoluene	11.51	91	64193	4.32	ug/l	99
83) tert-Butylbenzene	11.77	119	64627	4.35	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	67094	4.42	ug/l	100
85) sec-Butylbenzene	11.94	105	75323	4.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	67466	4.29	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	44769	4.90	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	45979	4.85	ug/l	96
89) n-Butylbenzene	12.39	91	50568	3.69	ug/l	96
90) Hexachloroethane	12.60	117	10066	3.94	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	40111	4.43	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4849	3.73	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	23024	3.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	12093	3.96	ug/l	98
95) Naphthalene	13.83	128	60852	3.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	25243	3.88	ug/l	98

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

