

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005823.D
 Acq On : 07 Nov 2018 12:32
 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
 11/8/2018 10:35:20 AM

Quant Time: Nov 07 14:11:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:01:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	124327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	182951	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	175764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	7686	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
35) Dibromofluoromethane	5.49	113	6015	4.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	9.50%	
50) Toluene-d8	8.71	98	21265	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
62) 4-Bromofluorobenzene	11.14	95	6823	4.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5303	3.692	ug/l 88
3) Chloromethane	1.32	50	8216	4.850	ug/l 98
4) Vinyl Chloride	1.41	62	7363	4.178	ug/l 100
5) Bromomethane	1.64	94	4815	2.202	ug/l 100
6) Chloroethane	1.71	64	4698	3.671	ug/l 98
7) Trichlorofluoromethane	1.93	101	10393	4.594	ug/l 96
8) Diethyl Ether	2.19	74	4192	4.122	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6360	4.628	ug/l 97
10) Methyl Iodide	2.51	142	5563	4.536	ug/l 98
11) Tert butyl alcohol	3.07	59	11493	23.283	ug/l 97
12) 1,1-Dichloroethene	2.37	96	6144	4.588	ug/l 95
13) Acrolein	2.29	56	2449	7.560	ug/l 89
14) Allyl chloride	2.73	41	12999	4.695	ug/l 99
15) Acrylonitrile	3.15	53	22156	20.411	ug/l 97
16) Acetone	2.44	43	19070	18.419	ug/l 94
17) Carbon Disulfide	2.57	76	16967	4.123	ug/l 99
18) Methyl Acetate	2.78	43	12546	4.809	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	19564	4.221	ug/l 93
20) Methylene Chloride	2.85	84	7196	4.591	ug/l 84
21) trans-1,2-Dichloroethene	3.17	96	5924	4.181	ug/l 93
22) Diisopropyl ether	3.87	45	21576	4.201	ug/l # 95
23) Vinyl Acetate	3.82	43	91684	20.494	ug/l 97
24) 1,1-Dichloroethane	3.70	63	12489	4.300	ug/l 98
25) 2-Butanone	4.70	43	30422	19.841	ug/l 95
26) 2,2-Dichloropropane	4.59	77	8721	4.017	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	6677	4.194	ug/l 91
28) Bromochloromethane	5.01	49	5417	3.823	ug/l 97
29) Tetrahydrofuran	5.16	42	19161	20.474	ug/l 100
30) Chloroform	5.21	83	11935	4.203	ug/l 96
31) Cyclohexane	5.57	56	9850	4.056	ug/l # 86
32) 1,1,1-Trichloroethane	5.49	97	9935	4.372	ug/l 97
36) 1,1-Dichloropropene	5.79	75	8460	4.340	ug/l 97
37) Ethyl Acetate	4.85	43	10799	4.343	ug/l 98
38) Carbon Tetrachloride	5.78	117	8846	5.023	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7855	3.864	ug/l	92
40) Benzene	6.14	78	25635	4.421	ug/l	96
41) Methacrylonitrile	5.06	41	5895	4.387	ug/l	97
42) 1,2-Dichloroethane	6.19	62	9246	4.314	ug/l	99
43) Isopropyl Acetate	6.46	43	15789	4.374	ug/l	100
44) Trichloroethene	7.22	130	6330	4.720	ug/l	85
45) 1,2-Dichloropropane	7.52	63	6140	4.132	ug/l	91
46) Dibromomethane	7.66	93	3881	4.087	ug/l	99
47) Bromodichloromethane	7.89	83	7203	4.043	ug/l #	88
48) Methyl methacrylate	7.77	41	6941	3.973	ug/l	98
49) 1,4-Dioxane	7.75	88	2863	73.600	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	50037	20.331	ug/l	98
52) Toluene	8.78	92	14776	4.711	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	8143	4.218	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	8523	4.121	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	6475	4.753	ug/l	92
56) Ethyl methacrylate	9.18	69	8594	4.176	ug/l	98
57) 1,3-Dichloropropane	9.37	76	10779	4.607	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	20568	17.685	ug/l	99
59) 2-Hexanone	9.49	43	44873	22.405	ug/l	89
60) Dibromochloromethane	9.58	129	6282	4.773	ug/l	99
61) 1,2-Dibromoethane	9.67	107	7123	5.132	ug/l	98
64) Tetrachloroethene	9.34	164	7479	5.824	ug/l	91
65) Chlorobenzene	10.13	112	17691	4.737	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	6303	4.930	ug/l	95
67) Ethyl Benzene	10.25	91	25794	4.047	ug/l	97
68) m/p-Xylenes	10.35	106	20486	8.649	ug/l	98
69) o-Xylene	10.70	106	9277	4.095	ug/l	90
70) Styrene	10.71	104	13345	3.547	ug/l	96
71) Bromoform	10.85	173	4753	4.588	ug/l #	94
73) Isopropylbenzene	11.02	105	24371	4.147	ug/l	100
74) N-amyl acetate	10.90	43	11499	3.676	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	9604	3.940	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	9385m	4.231	ug/l	
77) Bromobenzene	11.26	156	7478	5.130	ug/l	95
78) n-propylbenzene	11.36	91	30754	4.302	ug/l	95
79) 2-Chlorotoluene	11.42	91	18203	4.264	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	21155	4.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	2511	3.657	ug/l	90
82) 4-Chlorotoluene	11.51	91	21106	4.141	ug/l	100
83) tert-Butylbenzene	11.77	119	22790	4.787	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	23720	4.708	ug/l	97
85) sec-Butylbenzene	11.94	105	29607	4.848	ug/l	95
86) p-Isopropyltoluene	12.07	119	22867	4.403	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	15493	5.497	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	15447	5.102	ug/l	95
89) n-Butylbenzene	12.39	91	21072	4.021	ug/l	99
90) Hexachloroethane	12.60	117	3504	3.803	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	15176	5.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1946	3.403	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	8094	4.286	ug/l	97
94) Hexachlorobutadiene	13.79	225	4472	4.895	ug/l	99
95) Naphthalene	13.83	128	21787	3.508	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	8365	4.351	ug/l	99

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

