

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005822.D
 Acq On : 07 Nov 2018 12:05
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:13 AM

Quant Time: Nov 07 14:10:00 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	135352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	197451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	179504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97524	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

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1254	0.802	ug/l	95
3) Chloromethane	1.32	50	1739	0.943	ug/l	98
4) Vinyl Chloride	1.40	62	1611	0.840	ug/l #	81
5) Bromomethane	1.64	94	1060	0.445	ug/l	91
6) Chloroethane	1.72	64	1003	0.720	ug/l	99
7) Trichlorofluoromethane	1.93	101	2216	0.900	ug/l	98
8) Diethyl Ether	2.19	74	880	0.795	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1313	0.878	ug/l	95
12) 1,1-Dichloroethene	2.37	96	1359	0.932	ug/l	86
14) Allyl chloride	2.73	41	2895	0.960	ug/l	97
15) Acrylonitrile	3.15	53	4751	4.020	ug/l	99
16) Acetone	2.44	43	4441	3.940	ug/l	98
17) Carbon Disulfide	2.57	76	3776	0.843	ug/l #	90
18) Methyl Acetate	2.78	43	3185	1.121	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	4213	0.835	ug/l	98
20) Methylene Chloride	2.85	84	1585	0.929	ug/l	84
21) trans-1,2-Dichloroethene	3.17	96	1465	0.950	ug/l	93
22) Diisopropyl ether	3.87	45	5162	0.923	ug/l #	93
23) Vinyl Acetate	3.82	43	20450	4.199	ug/l	99
24) 1,1-Dichloroethane	3.70	63	2654	0.839	ug/l	97
25) 2-Butanone	4.70	43	6367	3.814	ug/l	99
26) 2,2-Dichloropropane	4.59	77	1801	0.762	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	1393	0.804	ug/l	89
28) Bromochloromethane	5.02	49	984	0.638	ug/l #	93
29) Tetrahydrofuran	5.16	42	3935	3.862	ug/l	97
30) Chloroform	5.21	83	2481	0.803	ug/l	93
31) Cyclohexane	5.58	56	2030	0.768	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	1953	0.789	ug/l #	49
36) 1,1-Dichloropropene	5.79	75	1889	0.898	ug/l	99
37) Ethyl Acetate	4.85	43	2403	0.895	ug/l	94
38) Carbon Tetrachloride	5.78	117	1868	0.983	ug/l	91
39) Methylcyclohexane	7.46	83	1872	0.853	ug/l	91
40) Benzene	6.15	78	5528	0.883	ug/l	99
41) Methacrylonitrile	5.04	41	1290	0.890	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	1847	0.798	ug/l	91
43) Isopropyl Acetate	6.46	43	3201	0.822	ug/l	97
44) Trichloroethene	7.21	130	1566	1.082	ug/l	89
45) 1,2-Dichloropropane	7.51	63	1488	0.928	ug/l	90
46) Dibromomethane	7.66	93	862	0.841	ug/l	97
47) Bromodichloromethane	7.90	83	1598	0.831	ug/l #	93
48) Methyl methacrylate	7.77	41	1553	0.824	ug/l	95
49) 1,4-Dioxane	7.76	88	643	15.316	ug/l #	79
51) 4-Methyl-2-Pentanone	8.65	43	9852	3.709	ug/l	96
52) Toluene	8.79	92	2803	0.828	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	1630	0.782	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	1784	0.799	ug/l	88
55) 1,1,2-Trichloroethane	9.21	97	1382	0.940	ug/l	96
56) Ethyl methacrylate	9.18	69	1629	0.733	ug/l	95
57) 1,3-Dichloropropane	9.37	76	2072	0.820	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	3849	3.066	ug/l	95
59) 2-Hexanone	9.49	43	7522	3.480	ug/l	89
60) Dibromochloromethane	9.59	129	1180	0.831	ug/l	95
61) 1,2-Dibromoethane	9.68	107	1379	0.921	ug/l	100
64) Tetrachloroethene	9.34	164	1648	1.257	ug/l	91
65) Chlorobenzene	10.14	112	3628	0.951	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	1198	0.917	ug/l #	60
67) Ethyl Benzene	10.25	91	5334	0.819	ug/l	93
68) m/p-Xylenes	10.36	106	3993	1.651	ug/l	97
69) o-Xylene	10.69	106	1740	0.752	ug/l	97
70) Styrene	10.71	104	2806	0.730	ug/l	96
71) Bromoform	10.86	173	940	0.888	ug/l #	94
73) Isopropylbenzene	11.02	105	4427	0.688	ug/l	96
74) N-amyl acetate	10.90	43	2041	0.596	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	2007	0.752	ug/l	96
76) 1,2,3-Trichloropropane	11.30	75	1860m	0.766	ug/l	
77) Bromobenzene	11.26	156	1554	0.974	ug/l	89
78) n-propylbenzene	11.36	91	5134	0.656	ug/l	98
79) 2-Chlorotoluene	11.42	91	3603	0.771	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	3542	0.648	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	477	0.634	ug/l	86
82) 4-Chlorotoluene	11.51	91	3943	0.707	ug/l	94
83) tert-Butylbenzene	11.77	119	3929	0.754	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	3354	0.608	ug/l	95
85) sec-Butylbenzene	11.94	105	4514	0.675	ug/l	100
86) p-Isopropyltoluene	12.06	119	4121	0.725	ug/l	91
87) 1,3-Dichlorobenzene	12.02	146	2945	0.954	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	3205m	0.967	ug/l	
89) n-Butylbenzene	12.39	91	4269	0.744	ug/l	100
90) Hexachloroethane	12.60	117	800	0.793	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	2972	0.922	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	434	0.693	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	1988	0.961	ug/l	94
94) Hexachlorobutadiene	13.78	225	1261	1.261	ug/l	97
95) Naphthalene	13.83	128	4843	0.712	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	2075	0.986	ug/l	99

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

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