

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\
 Data File : VX005707.D
 Acq On : 31 Oct 2018 14:27
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:48:59 AM

Quant Time: Oct 31 15:55:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 15:44:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	111571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	181913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	8888	6.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.06%	
35) Dibromofluoromethane	5.51	113	6680	5.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	10.84%	
50) Toluene-d8	8.71	98	21767	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
62) 4-Bromofluorobenzene	11.14	95	7403	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	5062	4.597	ug/l	93
3) Chloromethane	1.32	50	7112	5.071	ug/l	97
4) Vinyl Chloride	1.40	62	7512	5.447	ug/l	95
5) Bromomethane	1.64	94	10555	12.301	ug/l	98
6) Chloroethane	1.71	64	5390	6.118	ug/l	95
7) Trichlorofluoromethane	1.92	101	10078	5.259	ug/l	92
8) Diethyl Ether	2.19	74	4647	6.077	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	6776	6.163	ug/l	93
10) Methyl Iodide	2.51	142	4110	3.956	ug/l	99
11) Tert butyl alcohol	3.07	59	11422	31.166	ug/l	96
12) 1,1-Dichloroethene	2.37	96	6173	5.894	ug/l	89
13) Acrolein	2.29	56	4667	24.964	ug/l	97
14) Allyl chloride	2.73	41	12988	5.557	ug/l	95
15) Acrylonitrile	3.15	53	25147	30.599	ug/l	99
16) Acetone	2.45	43	24367	33.859	ug/l	94
17) Carbon Disulfide	2.56	76	18004	5.639	ug/l	100
18) Methyl Acetate	2.78	43	13234	6.564	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	21470	5.747	ug/l	97
20) Methylene Chloride	2.85	84	7757	6.436	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	6453	5.643	ug/l	96
22) Diisopropyl ether	3.86	45	22388	5.485	ug/l	# 82
23) Vinyl Acetate	3.82	43	97219	27.044	ug/l	100
24) 1,1-Dichloroethane	3.70	63	13978	6.299	ug/l	98
25) 2-Butanone	4.70	43	34439	31.425	ug/l	95
26) 2,2-Dichloropropane	4.59	77	10177	5.940	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	7344	5.957	ug/l	89
28) Bromochloromethane	5.02	49	6591	6.141	ug/l	88
29) Tetrahydrofuran	5.16	42	20397	28.600	ug/l	96
30) Chloroform	5.21	83	13471	6.489	ug/l	89
31) Cyclohexane	5.57	56	10689	5.821	ug/l	88
32) 1,1,1-Trichloroethane	5.48	97	10305	5.625	ug/l	95
36) 1,1-Dichloropropene	5.80	75	9668	5.476	ug/l	99
37) Ethyl Acetate	4.85	43	12423	5.515	ug/l	97
38) Carbon Tetrachloride	5.79	117	8753	4.708	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	9229	4.734	ug/l	93
40) Benzene	6.15	78	28701	5.671	ug/l	98
41) Methacrylonitrile	5.06	41	6517	5.193	ug/l	95
42) 1,2-Dichloroethane	6.20	62	10743	5.588	ug/l	99
43) Isopropyl Acetate	6.46	43	16333	4.838	ug/l	97
44) Trichloroethene	7.21	130	6652	4.825	ug/l	93
45) 1,2-Dichloropropane	7.52	63	7381	5.425	ug/l	92
46) Dibromomethane	7.66	93	4699	5.347	ug/l #	85
47) Bromodichloromethane	7.90	83	8635	5.063	ug/l	97
48) Methyl methacrylate	7.77	41	7860	4.779	ug/l	95
49) 1,4-Dioxane	7.76	88	3701	102.979	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	56433	24.874	ug/l	99
52) Toluene	8.79	92	14913	4.849	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	8402	4.558	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	9541	4.808	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	6754	5.209	ug/l	97
56) Ethyl methacrylate	9.18	69	8393	4.339	ug/l	96
57) 1,3-Dichloropropane	9.37	76	11504	5.243	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	25257	23.381	ug/l	91
59) 2-Hexanone	9.50	43	45707	25.552	ug/l	99
60) Dibromochloromethane	9.59	129	5956	4.402	ug/l	98
61) 1,2-Dibromoethane	9.67	107	6491	4.839	ug/l	98
64) Tetrachloroethene	9.34	164	6201	4.578	ug/l	97
65) Chlorobenzene	10.14	112	17009	4.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	5859	4.625	ug/l	96
67) Ethyl Benzene	10.25	91	27822	4.867	ug/l	98
68) m/p-Xylenes	10.36	106	20272	9.140	ug/l	92
69) o-Xylene	10.70	106	9455	4.531	ug/l	93
70) Styrene	10.71	104	15465	4.427	ug/l	96
71) Bromoform	10.86	173	4324	3.825	ug/l #	98
73) Isopropylbenzene	11.02	105	26018	5.265	ug/l	99
74) N-amyl acetate	10.90	43	13100	5.350	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	11305	6.201	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	10197m	5.954	ug/l	
77) Bromobenzene	11.26	156	6678	4.849	ug/l	87
78) n-propylbenzene	11.36	91	31813	5.630	ug/l	95
79) 2-Chlorotoluene	11.42	91	19400	5.538	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	21824	5.163	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	2767	5.279	ug/l	89
82) 4-Chlorotoluene	11.51	91	22862	5.534	ug/l	96
83) tert-Butylbenzene	11.77	119	20488	4.862	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	21828	5.095	ug/l	95
85) sec-Butylbenzene	11.94	105	26455	5.262	ug/l	98
86) p-Isopropyltoluene	12.07	119	21880	4.868	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	12721	4.912	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	13908	5.145	ug/l	95
89) n-Butylbenzene	12.39	91	20790	5.124	ug/l	97
90) Hexachloroethane	12.60	117	3916	5.052	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	12924	4.933	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2582	5.858	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7961	4.192	ug/l	97
94) Hexachlorobutadiene	13.79	225	4177	4.244	ug/l	96
95) Naphthalene	13.83	128	24472	4.433	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	8295	4.309	ug/l	95

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

