

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006589.D
 Acq On : 18 Dec 2018 11:11
 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
 12/19/2018 11:21:52 AM

Quant Time: Dec 19 00:50:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	612760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	954440	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	861494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	415079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	35066	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	5.50	113	30212	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
50) Toluene-d8	8.71	98	116825	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
62) 4-Bromofluorobenzene	11.13	95	40779	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	29547	5.271	ug/l	97
3) Chloromethane	1.33	50	29916	4.954	ug/l	99
4) Vinyl Chloride	1.41	62	32651	5.177	ug/l	100
5) Bromomethane	1.64	94	37479	5.465	ug/l	95
6) Chloroethane	1.71	64	20344	4.658	ug/l	98
7) Trichlorofluoromethane	1.93	101	50430	5.128	ug/l	89
8) Diethyl Ether	2.19	74	19033	4.873	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29090	5.038	ug/l	96
10) Methyl Iodide	2.51	142	34867	4.219	ug/l	99
11) Tert butyl alcohol	3.07	59	38212	25.927	ug/l	100
12) 1,1-Dichloroethene	2.37	96	28215	5.154	ug/l	93
13) Acrolein	2.29	56	26946	27.101	ug/l	96
14) Allyl chloride	2.73	41	46443	5.040	ug/l	96
15) Acrylonitrile	3.15	53	82051	25.074	ug/l	100
16) Acetone	2.45	43	75109	24.755	ug/l	93
17) Carbon Disulfide	2.57	76	65141	4.496	ug/l	96
18) Methyl Acetate	2.78	43	44317	4.967	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	92964	5.116	ug/l	99
20) Methylene Chloride	2.85	84	31532	5.026	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	30051	4.954	ug/l	96
22) Diisopropyl ether	3.87	45	88100	5.226	ug/l	96
23) Vinyl Acetate	3.82	43	358501	25.997	ug/l	98
24) 1,1-Dichloroethane	3.70	63	52962	5.262	ug/l	95
25) 2-Butanone	4.70	43	106082	24.856	ug/l	96
26) 2,2-Dichloropropane	4.58	77	35871	4.614	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	34657	5.178	ug/l	100
28) Bromochloromethane	5.02	49	21667	4.683	ug/l	95
29) Tetrahydrofuran	5.15	42	69096	24.581	ug/l	99
30) Chloroform	5.21	83	50600	4.855	ug/l	99
31) Cyclohexane	5.57	56	46621	5.099	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	41930	4.765	ug/l	96
36) 1,1-Dichloropropene	5.79	75	39916	5.049	ug/l	98
37) Ethyl Acetate	4.85	43	39506	4.802	ug/l	99
38) Carbon Tetrachloride	5.78	117	33893	4.412	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	51527	4.951	ug/l	94
40) Benzene	6.14	78	121251	5.046	ug/l	100
41) Methacrylonitrile	5.06	41	22277	4.818	ug/l #	92
42) 1,2-Dichloroethane	6.19	62	42643	5.208	ug/l	99
43) Isopropyl Acetate	6.46	43	59016	4.714	ug/l	99
44) Trichloroethene	7.21	130	36306	4.992	ug/l	99
45) 1,2-Dichloropropane	7.51	63	28499	4.874	ug/l	97
46) Dibromomethane	7.66	93	21075	4.900	ug/l	97
47) Bromodichloromethane	7.90	83	30538	4.277	ug/l	95
48) Methyl methacrylate	7.77	41	30771	4.834	ug/l	98
49) 1,4-Dioxane	7.75	88	17375	96.462	ug/l	91
51) 4-Methyl-2-Pentanone	8.65	43	194697	24.443	ug/l	99
52) Toluene	8.78	92	76721	4.942	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	31118	4.063	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	36051	4.290	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	31918	5.023	ug/l	94
56) Ethyl methacrylate	9.18	69	42364	4.717	ug/l	99
57) 1,3-Dichloropropane	9.37	76	50167	4.907	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	111381	23.332	ug/l	100
59) 2-Hexanone	9.49	43	147083	24.134	ug/l	99
60) Dibromochloromethane	9.58	129	24541	4.193	ug/l	98
61) 1,2-Dibromoethane	9.67	107	32453	4.805	ug/l	100
64) Tetrachloroethene	9.34	164	35825	5.252	ug/l	95
65) Chlorobenzene	10.13	112	89867	4.931	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	24791	4.360	ug/l	99
67) Ethyl Benzene	10.25	91	147132	4.940	ug/l	100
68) m/p-Xylenes	10.36	106	117887	10.031	ug/l	99
69) o-Xylene	10.69	106	57169	4.926	ug/l	96
70) Styrene	10.71	104	87661	4.775	ug/l	97
71) Bromoform	10.85	173	16227	3.748	ug/l #	97
73) Isopropylbenzene	11.02	105	151672	5.341	ug/l	99
74) N-amyl acetate	10.90	43	48588	4.780	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	43335	5.131	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	40247m	5.474	ug/l	
77) Bromobenzene	11.26	156	40136	5.228	ug/l	98
78) n-propylbenzene	11.36	91	165270	5.285	ug/l	99
79) 2-Chlorotoluene	11.42	91	100964	5.328	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	122447	5.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7520	3.492	ug/l #	75
82) 4-Chlorotoluene	11.51	91	113968	5.243	ug/l	99
83) tert-Butylbenzene	11.77	119	119901	5.122	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	126131	5.127	ug/l	100
85) sec-Butylbenzene	11.94	105	147553	5.141	ug/l	100
86) p-Isopropyltoluene	12.06	119	129079	5.116	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	69438	5.019	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	71856	5.060	ug/l	92
89) n-Butylbenzene	12.39	91	103815	4.835	ug/l	100
90) Hexachloroethane	12.60	117	13945	4.058	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	72014	5.203	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7258	4.154	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44491	4.660	ug/l	98
94) Hexachlorobutadiene	13.78	225	20267	4.504	ug/l	98
95) Naphthalene	13.83	128	142061	4.662	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	44608	4.525	ug/l	98

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

