

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007326.D
 Acq On : 01 Feb 2019 10:03
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:23 AM

Quant Time: Feb 02 00:34:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 13:04:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	447111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	665730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	617609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	316988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	26725	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
35) Dibromofluoromethane	5.49	113	22758	5.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	8.71	98	79791	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
62) 4-Bromofluorobenzene	11.13	95	28607	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	16153	3.241	ug/l	98
3) Chloromethane	1.33	50	20976	4.165	ug/l	98
4) Vinyl Chloride	1.41	62	22892	4.633	ug/l	100
5) Bromomethane	1.64	94	26859	4.776	ug/l	95
6) Chloroethane	1.72	64	14773	4.622	ug/l	95
7) Trichlorofluoromethane	1.93	101	37564	4.860	ug/l	93
8) Diethyl Ether	2.19	74	14893	5.120	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22005	4.787	ug/l	92
10) Methyl Iodide	2.51	142	31365	4.638	ug/l	99
11) Tert butyl alcohol	3.07	59	27815	28.321	ug/l #	92
12) 1,1-Dichloroethene	2.38	96	20529	4.809	ug/l	95
13) Acrolein	2.30	56	9560	20.758	ug/l	90
14) Allyl chloride	2.73	41	34519	4.963	ug/l	99
15) Acrylonitrile	3.14	53	62861	25.873	ug/l	100
16) Acetone	2.45	43	51291	23.594	ug/l	96
17) Carbon Disulfide	2.57	76	46155	4.097	ug/l	99
18) Methyl Acetate	2.78	43	32643	5.307	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	73374	5.305	ug/l	95
20) Methylene Chloride	2.86	84	25755	5.241	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	23151	5.091	ug/l	93
22) Diisopropyl ether	3.87	45	67744	5.295	ug/l	96
23) Vinyl Acetate	3.82	43	269119	25.347	ug/l	97
24) 1,1-Dichloroethane	3.70	63	38933	5.299	ug/l	98
25) 2-Butanone	4.69	43	78450	25.358	ug/l	100
26) 2,2-Dichloropropane	4.59	77	27839	4.975	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	25319	5.097	ug/l	96
28) Bromochloromethane	5.01	49	16305	4.825	ug/l	98
29) Tetrahydrofuran	5.15	42	48145	24.744	ug/l	96
30) Chloroform	5.22	83	40132	5.234	ug/l	100
31) Cyclohexane	5.58	56	34207	5.183	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	32133	4.965	ug/l	93
36) 1,1-Dichloropropene	5.80	75	30591	5.121	ug/l	99
37) Ethyl Acetate	4.85	43	28975	4.799	ug/l	96
38) Carbon Tetrachloride	5.78	117	27805	4.798	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36137	5.000	ug/l	97
40) Benzene	6.15	78	93089	5.291	ug/l	94
41) Methacrylonitrile	5.06	41	15974	4.841	ug/l	92
42) 1,2-Dichloroethane	6.20	62	31682	5.204	ug/l	98
43) Isopropyl Acetate	6.46	43	45517	4.884	ug/l	99
44) Trichloroethene	7.21	130	27268	5.146	ug/l	94
45) 1,2-Dichloropropane	7.51	63	22844	5.182	ug/l	97
46) Dibromomethane	7.66	93	16694	5.210	ug/l	99
47) Bromodichloromethane	7.90	83	25958	4.780	ug/l	97
48) Methyl methacrylate	7.77	41	24032	5.155	ug/l	94
49) 1,4-Dioxane	7.75	88	11839	102.043	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	155335	25.318	ug/l	99
52) Toluene	8.78	92	60102	5.294	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	26033	4.463	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	30340	4.730	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	24738	5.228	ug/l	99
56) Ethyl methacrylate	9.18	69	32215	4.915	ug/l	95
57) 1,3-Dichloropropane	9.37	76	40460	5.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	84392	24.430	ug/l	98
59) 2-Hexanone	9.49	43	121967	25.546	ug/l	96
60) Dibromochloromethane	9.58	129	20298	4.535	ug/l	98
61) 1,2-Dibromoethane	9.67	107	26247	5.238	ug/l	91
64) Tetrachloroethene	9.33	164	32348	5.557	ug/l	98
65) Chlorobenzene	10.13	112	70048	5.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	22392	4.956	ug/l	100
67) Ethyl Benzene	10.25	91	112462	5.182	ug/l	99
68) m/p-Xylenes	10.36	106	88767	10.289	ug/l	99
69) o-Xylene	10.69	106	43015	5.181	ug/l	96
70) Styrene	10.71	104	67943	5.046	ug/l	99
71) Bromoform	10.85	173	14775	4.226	ug/l #	98
73) Isopropylbenzene	11.02	105	116299	5.399	ug/l	98
74) N-amyl acetate	10.90	43	38401	4.609	ug/l #	95
75) 1,1,1,2-Tetrachloroethane	11.27	83	33624	5.122	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	32165m	4.813	ug/l	
77) Bromobenzene	11.26	156	32486	5.352	ug/l	96
78) n-propylbenzene	11.36	91	123945	5.247	ug/l	100
79) 2-Chlorotoluene	11.42	91	77664	5.419	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	92263	5.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	6952	3.915	ug/l #	70
82) 4-Chlorotoluene	11.51	91	86655	5.225	ug/l	99
83) tert-Butylbenzene	11.77	119	90314	5.176	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	95367	5.330	ug/l	99
85) sec-Butylbenzene	11.94	105	111958	5.302	ug/l	98
86) p-Isopropyltoluene	12.06	119	98644	5.175	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	57070	5.239	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	59051	5.347	ug/l	95
89) n-Butylbenzene	12.38	91	79613	4.855	ug/l	98
90) Hexachloroethane	12.60	117	12599	4.416	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	57785	5.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6091	4.462	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	34549	4.726	ug/l	97
94) Hexachlorobutadiene	13.78	225	17511	4.933	ug/l	97
95) Naphthalene	13.83	128	102320	4.786	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	35872	4.875	ug/l	97

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

