

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007325.D
 Acq On : 01 Feb 2019 09:36
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:18 AM

Quant Time: Feb 02 00:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 00:12:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	628581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	921986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	836342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	431135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	9965	1.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.98%	
35) Dibromofluoromethane	5.49	113	8136	1.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	2.72%	
50) Toluene-d8	8.71	98	25378	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
62) 4-Bromofluorobenzene	11.13	95	8996	1.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5615	0.801	ug/l 94
3) Chloromethane	1.33	50	7660	1.082	ug/l 95
4) Vinyl Chloride	1.42	62	8551	1.231	ug/l 92
5) Bromomethane	1.64	94	9060	1.146	ug/l 91
6) Chloroethane	1.73	64	5731	1.275	ug/l 97
7) Trichlorofluoromethane	1.93	101	13485	1.241	ug/l 84
8) Diethyl Ether	2.19	74	5881	1.438	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	8621	1.334	ug/l 97
10) Methyl Iodide	2.51	142	10571	1.112	ug/l 94
11) Tert butyl alcohol	3.05	59	10930	7.916	ug/l # 84
12) 1,1-Dichloroethene	2.39	96	8006	1.334	ug/l # 76
13) Acrolein	2.30	56	2911	4.496	ug/l 92
14) Allyl chloride	2.73	41	11694	1.196	ug/l 92
15) Acrylonitrile	3.14	53	21166	6.197	ug/l 98
16) Acetone	2.45	43	20108	6.579	ug/l 95
17) Carbon Disulfide	2.57	76	16945	1.070	ug/l 99
18) Methyl Acetate	2.78	43	13047	1.509	ug/l 91
19) Methyl tert-butyl Ether	3.20	73	24753	1.273	ug/l 94
20) Methylene Chloride	2.86	84	10558	1.528	ug/l 95
21) trans-1,2-Dichloroethene	3.17	96	8635	1.351	ug/l 89
22) Diisopropyl ether	3.87	45	23647	1.315	ug/l 96
23) Vinyl Acetate	3.82	43	95009	6.365	ug/l 98
24) 1,1-Dichloroethane	3.70	63	14499	1.404	ug/l 96
25) 2-Butanone	4.70	43	25432	5.847	ug/l 94
26) 2,2-Dichloropropane	4.59	77	10734	1.364	ug/l 91
27) cis-1,2-Dichloroethene	4.60	96	9116	1.305	ug/l 98
28) Bromochloromethane	5.02	49	5289	1.113	ug/l 97
29) Tetrahydrofuran	5.15	42	17006	6.217	ug/l 94
30) Chloroform	5.21	83	14349	1.331	ug/l 88
31) Cyclohexane	5.57	56	12131	1.308	ug/l # 84
32) 1,1,1-Trichloroethane	5.50	97	11631	1.278	ug/l # 45
36) 1,1-Dichloropropene	5.81	75	10281	1.243	ug/l # 86
37) Ethyl Acetate	4.84	43	9807	1.173	ug/l # 89
38) Carbon Tetrachloride	5.78	117	9753	1.215	ug/l 85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	13180	1.317	ug/l	95
40) Benzene	6.14	78	31504	1.293	ug/l #	86
41) Methacrylonitrile	5.05	41	5957	1.303	ug/l #	85
42) 1,2-Dichloroethane	6.20	62	10793	1.280	ug/l	88
43) Isopropyl Acetate	6.45	43	15303	1.186	ug/l #	90
44) Trichloroethene	7.21	130	9988	1.361	ug/l	92
45) 1,2-Dichloropropane	7.51	63	7634	1.250	ug/l #	89
46) Dibromomethane	7.66	93	5913	1.333	ug/l	98
47) Bromodichloromethane	7.90	83	9381	1.247	ug/l	87
48) Methyl methacrylate	7.77	41	8012	1.241	ug/l	99
49) 1,4-Dioxane	7.75	88	4052	25.218	ug/l #	76
51) 4-Methyl-2-Pentanone	8.65	43	48815	5.745	ug/l	99
52) Toluene	8.78	92	19443	1.237	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	7851	0.972	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	9541	1.074	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	8176	1.248	ug/l	93
56) Ethyl methacrylate	9.18	69	10400	1.146	ug/l	97
57) 1,3-Dichloropropane	9.37	76	14068	1.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	28906	6.042	ug/l	99
59) 2-Hexanone	9.49	43	37141	5.617	ug/l	96
60) Dibromochloromethane	9.58	129	7028	1.134	ug/l	99
61) 1,2-Dibromoethane	9.68	107	8352	1.203	ug/l	97
64) Tetrachloroethene	9.34	164	11655	1.479	ug/l	92
65) Chlorobenzene	10.13	112	24071	1.319	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	7359	1.203	ug/l #	66
67) Ethyl Benzene	10.25	91	36351	1.237	ug/l	97
68) m/p-Xylenes	10.36	106	29724	2.544	ug/l	99
69) o-Xylene	10.69	106	13971	1.243	ug/l	98
70) Styrene	10.71	104	22020	1.208	ug/l	98
71) Bromoform	10.85	173	4733	1.000	ug/l #	96
73) Isopropylbenzene	11.02	105	36786	1.256	ug/l	99
74) N-amyl acetate	10.90	43	12161	1.073	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	11185	1.253	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	9891m	1.132	ug/l	
77) Bromobenzene	11.26	156	10710	1.297	ug/l	98
78) n-propylbenzene	11.36	91	39094	1.217	ug/l	98
79) 2-Chlorotoluene	11.42	91	24009	1.232	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	28669	1.196	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	2225	0.921	ug/l #	64
82) 4-Chlorotoluene	11.51	91	27891	1.236	ug/l	95
83) tert-Butylbenzene	11.77	119	29577	1.246	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	29080	1.195	ug/l	97
85) sec-Butylbenzene	11.94	105	34989	1.218	ug/l	99
86) p-Isopropyltoluene	12.06	119	30352	1.171	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	19463	1.314	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	20847m	1.388	ug/l	
89) n-Butylbenzene	12.38	91	26240	1.176	ug/l	98
90) Hexachloroethane	12.59	117	4623	1.191	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	20310	1.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2198	1.184	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	11698	1.177	ug/l	97
94) Hexachlorobutadiene	13.79	225	5544	1.148	ug/l	87
95) Naphthalene	13.83	128	29782	1.024	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	11910	1.190	ug/l	98

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

