

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020119\
 Data File : VX007333.D
 Acq On : 01 Feb 2019 13:22
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX020119

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:37:02 AM

Quant Time: Feb 02 03:29:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	527206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	749627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	706902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	380944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	260701	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.50	113	233370	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.71	98	894952	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	330090	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	321395	49.611	ug/l	96
3) Chloromethane	1.33	50	290138	48.860	ug/l	99
4) Vinyl Chloride	1.41	62	292797	50.260	ug/l	99
5) Bromomethane	1.64	94	283561	49.220	ug/l	98
6) Chloroethane	1.72	64	175069	46.456	ug/l	99
7) Trichlorofluoromethane	1.93	101	431535	47.353	ug/l	98
8) Diethyl Ether	2.19	74	157318	45.864	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	252545	46.588	ug/l	99
10) Methyl Iodide	2.51	142	369642	46.354	ug/l	99
11) Tert butyl alcohol	3.06	59	280680	242.369	ug/l	99
12) 1,1-Dichloroethene	2.37	96	228494	45.392	ug/l	99
13) Acrolein	2.29	56	139519	256.918	ug/l	99
14) Allyl chloride	2.73	41	393744	48.007	ug/l	99
15) Acrylonitrile	3.15	53	667589	233.030	ug/l	99
16) Acetone	2.45	43	629275	245.492	ug/l	97
17) Carbon Disulfide	2.57	76	617194	47.021	ug/l	99
18) Methyl Acetate	2.78	43	327413	49.035	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	746050	45.748	ug/l	97
20) Methylene Chloride	2.85	84	252795	48.269	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	241545	45.046	ug/l	98
22) Diisopropyl ether	3.87	45	704438	46.692	ug/l	98
23) Vinyl Acetate	3.82	43	3036286	242.527	ug/l	99
24) 1,1-Dichloroethane	3.70	63	423075	48.831	ug/l	98
25) 2-Butanone	4.70	43	877112	240.442	ug/l	98
26) 2,2-Dichloropropane	4.59	77	314974	47.737	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	260981	44.560	ug/l	100
28) Bromochloromethane	5.01	49	185723	46.614	ug/l	97
29) Tetrahydrofuran	5.15	42	567032	247.150	ug/l	99
30) Chloroform	5.21	83	417342	46.162	ug/l	98
31) Cyclohexane	5.57	56	368317	47.333	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	366549	48.032	ug/l	99
36) 1,1-Dichloropropene	5.80	75	316888	47.114	ug/l	100
37) Ethyl Acetate	4.85	43	323328	47.555	ug/l	99
38) Carbon Tetrachloride	5.78	117	329655	50.520	ug/l	99

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39) Methylcyclohexane	7.46	83	410551	50.450	ug/l	97
40) Benzene	6.14	78	931497	47.015	ug/l	100
41) Methacrylonitrile	5.06	41	178794	49.066	ug/l	100
42) 1,2-Dichloroethane	6.20	62	319113	46.551	ug/l	100
43) Isopropyl Acetate	6.46	43	523720	49.904	ug/l	100
44) Trichloroethene	7.21	130	281851	47.234	ug/l	98
45) 1,2-Dichloropropane	7.51	63	236494	47.641	ug/l	99
46) Dibromomethane	7.66	93	167436	46.408	ug/l	99
47) Bromodichloromethane	7.90	83	299520	48.984	ug/l	99
48) Methyl methacrylate	7.77	41	268797	51.206	ug/l	99
49) 1,4-Dioxane	7.74	88	122635	1027.087	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1739834	251.837	ug/l	99
52) Toluene	8.78	92	614558	48.077	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	341425	51.983	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	371785	51.473	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	252345	47.358	ug/l	99
56) Ethyl methacrylate	9.18	69	372693	50.501	ug/l	100
57) 1,3-Dichloropropane	9.37	76	397686	46.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	982263	252.519	ug/l	99
59) 2-Hexanone	9.49	43	1340087	249.271	ug/l	99
60) Dibromochloromethane	9.58	129	265548	52.694	ug/l	99
61) 1,2-Dibromoethane	9.67	107	271872	48.180	ug/l	98
64) Tetrachloroethene	9.34	164	303809	45.598	ug/l	99
65) Chlorobenzene	10.13	112	716741	46.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	253799	49.073	ug/l	99
67) Ethyl Benzene	10.25	91	1205492	48.527	ug/l	98
68) m/p-Xylenes	10.36	106	959360	97.152	ug/l	100
69) o-Xylene	10.69	106	464603	48.895	ug/l	100
70) Styrene	10.71	104	758342	49.210	ug/l	99
71) Bromoform	10.85	173	204222	45.423	ug/l	100
73) Isopropylbenzene	11.02	105	1243511	48.036	ug/l	99
74) N-amyl acetate	10.90	43	481294	48.068	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	363511	46.076	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	361316m	48.762	ug/l	
77) Bromobenzene	11.26	156	334716	45.890	ug/l	99
78) n-propylbenzene	11.36	91	1410495	49.688	ug/l	100
79) 2-Chlorotoluene	11.42	91	817734	47.475	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1039988	49.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	112444	47.166	ug/l	99
82) 4-Chlorotoluene	11.51	91	963265	48.331	ug/l	100
83) tert-Butylbenzene	11.77	119	1016901	48.497	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1062214	49.402	ug/l	99
85) sec-Butylbenzene	11.94	105	1274321	50.213	ug/l	100
86) p-Isopropyltoluene	12.06	119	1142341	49.864	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	606428	46.328	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	599132	45.114	ug/l	100
89) n-Butylbenzene	12.38	91	990964	50.284	ug/l	100
90) Hexachloroethane	12.60	117	179504	52.355	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	587062	45.065	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	79077	48.205	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	415388	47.282	ug/l	99
94) Hexachlorobutadiene	13.78	225	202991	47.584	ug/l	100
95) Naphthalene	13.83	128	1220640	47.512	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	410442	46.413	ug/l	100

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

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