

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008063.D
 Acq On : 14 Mar 2019 10:32
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:06:52 AM

Quant Time: Mar 14 14:55:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 14 14:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	454624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	415442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209844	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	62712	20.29	ug/l	0.00
Spiked Amount			Recovery	=	40.58%	
35) Dibromofluoromethane	5.50	113	57262	20.79	ug/l	0.00
Spiked Amount			Recovery	=	41.58%	
50) Toluene-d8	8.71	98	217310	20.47	ug/l	0.00
Spiked Amount			Recovery	=	40.94%	
62) 4-Bromofluorobenzene	11.13	95	78750	20.61	ug/l	0.00
Spiked Amount			Recovery	=	41.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	51096	19.887	ug/l	99
3) Chloromethane	1.33	50	54462	19.548	ug/l	99
4) Vinyl Chloride	1.41	62	54591	20.526	ug/l	99
5) Bromomethane	1.64	94	28962	21.441	ug/l	97
6) Chloroethane	1.73	64	29257	18.733	ug/l	98
7) Trichlorofluoromethane	1.93	101	61205	19.415	ug/l	98
8) Diethyl Ether	2.19	74	32373	19.061	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48558	19.395	ug/l	98
10) Methyl Iodide	2.51	142	71650	18.102	ug/l	98
11) Tert butyl alcohol	3.07	59	60205	97.126	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45446	18.877	ug/l	93
13) Acrolein	2.30	56	54958	95.924	ug/l	100
14) Allyl chloride	2.73	41	83054	18.804	ug/l	97
15) Acrylonitrile	3.15	53	141357	93.851	ug/l	99
16) Acetone	2.45	43	146035	99.939	ug/l	98
17) Carbon Disulfide	2.57	76	134551	18.732	ug/l	99
18) Methyl Acetate	2.78	43	62718	18.954	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	153332	19.002	ug/l	96
20) Methylene Chloride	2.86	84	50718	19.194	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	48797	18.980	ug/l	92
22) Diisopropyl ether	3.87	45	164439	18.601	ug/l	98
23) Vinyl Acetate	3.82	43	700601	90.682	ug/l	99
24) 1,1-Dichloroethane	3.70	63	90128	18.549	ug/l	99
25) 2-Butanone	4.70	43	221752	95.380	ug/l	99
26) 2,2-Dichloropropane	4.59	77	67627	18.623	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	58177	19.285	ug/l	97
28) Bromochloromethane	5.02	49	45665	19.527	ug/l	94
29) Tetrahydrofuran	5.15	42	138313	93.717	ug/l	97
30) Chloroform	5.22	83	92467	19.461	ug/l	97
31) Cyclohexane	5.58	56	87872	19.033	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	77224	18.586	ug/l	98
36) 1,1-Dichloropropene	5.80	75	70179	19.333	ug/l	98
37) Ethyl Acetate	4.85	43	76550	19.059	ug/l	98
38) Carbon Tetrachloride	5.78	117	69219	19.291	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88907	18.814	ug/l	98
40) Benzene	6.15	78	217150	19.489	ug/l	99
41) Methacrylonitrile	5.06	41	44332	19.356	ug/l	98
42) 1,2-Dichloroethane	6.20	62	70059	19.674	ug/l	100
43) Isopropyl Acetate	6.46	43	120809	18.704	ug/l	98
44) Trichloroethene	7.21	130	61447	19.362	ug/l	98
45) 1,2-Dichloropropane	7.51	63	57008	19.192	ug/l	96
46) Dibromomethane	7.66	93	36368	19.335	ug/l	97
47) Bromodichloromethane	7.90	83	66541	18.659	ug/l	99
48) Methyl methacrylate	7.77	41	64257	18.592	ug/l	97
49) 1,4-Dioxane	7.75	88	27893	389.074	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	415283	98.021	ug/l	99
52) Toluene	8.78	92	138172	19.348	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	72636	17.881	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81992	18.137	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	56666	19.686	ug/l	98
56) Ethyl methacrylate	9.18	69	84835	19.178	ug/l	97
57) 1,3-Dichloropropane	9.37	76	93267	19.642	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	240366	93.133	ug/l	98
59) 2-Hexanone	9.49	43	330212	101.320	ug/l	99
60) Dibromochloromethane	9.58	129	57298	18.528	ug/l	100
61) 1,2-Dibromoethane	9.67	107	60015	19.256	ug/l	99
64) Tetrachloroethene	9.34	164	63990	19.660	ug/l	99
65) Chlorobenzene	10.14	112	154633	19.300	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54802	18.494	ug/l	98
67) Ethyl Benzene	10.25	91	258611	19.049	ug/l	99
68) m/p-Xylenes	10.36	106	200457	38.326	ug/l	99
69) o-Xylene	10.70	106	96704	19.029	ug/l	99
70) Styrene	10.71	104	161431	19.191	ug/l	99
71) Bromoform	10.85	173	45334	18.134	ug/l #	99
73) Isopropylbenzene	11.02	105	260709	19.457	ug/l	100
74) N-amyl acetate	10.90	43	110278	19.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	85779	20.535	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	71463m	20.243	ug/l	
77) Bromobenzene	11.26	156	70772	19.753	ug/l	97
78) n-propylbenzene	11.36	91	288010	19.226	ug/l	100
79) 2-Chlorotoluene	11.42	91	174476	19.726	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	215652	19.383	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23579	17.728	ug/l	96
82) 4-Chlorotoluene	11.51	91	196874	19.522	ug/l	100
83) tert-Butylbenzene	11.77	119	211084	19.357	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	223087	19.501	ug/l	99
85) sec-Butylbenzene	11.94	105	255883	19.192	ug/l	98
86) p-Isopropyltoluene	12.06	119	229408	18.974	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	122706	19.344	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	123271	19.493	ug/l	99
89) n-Butylbenzene	12.39	91	185058	18.349	ug/l	100
90) Hexachloroethane	12.60	117	35044	18.040	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	122028	19.634	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17359	18.819	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	83767	18.744	ug/l	100
94) Hexachlorobutadiene	13.78	225	46237	18.981	ug/l	99
95) Naphthalene	13.83	128	243639	18.424	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84543	18.974	ug/l	98

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

