

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053019\
 Data File : VX009951.D
 Acq On : 30 May 2019 11:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:23:42 AM

Quant Time: May 31 06:00:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	172891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	111344	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
35) Dibromofluoromethane	5.49	113	80753	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	8.71	98	331358	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.13	95	120315	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	112775	53.380	ug/l	99
3) Chloromethane	1.32	50	133476	46.995	ug/l	99
4) Vinyl Chloride	1.41	62	122584	47.877	ug/l	98
5) Bromomethane	1.64	94	63049	40.643	ug/l	98
6) Chloroethane	1.71	64	70297	44.601	ug/l	99
7) Trichlorofluoromethane	1.93	101	133821	47.297	ug/l	100
8) Diethyl Ether	2.19	74	58427	43.944	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78888	46.182	ug/l	98
10) Methyl Iodide	2.51	142	97413	46.421	ug/l	99
11) Tert butyl alcohol	3.05	59	130526	217.170	ug/l	100
12) 1,1-Dichloroethene	2.37	96	78428	44.792	ug/l	97
13) Acrolein	2.29	56	83389	200.314	ug/l	99
14) Allyl chloride	2.73	41	203058	47.715	ug/l	99
15) Acrylonitrile	3.14	53	329429	227.479	ug/l	100
16) Acetone	2.45	43	346243	245.377	ug/l	99
17) Carbon Disulfide	2.57	76	246449	46.511	ug/l	100
18) Methyl Acetate	2.78	43	150202	45.747	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	308968	46.740	ug/l	99
20) Methylene Chloride	2.85	84	97733	45.229	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	87105	44.711	ug/l	99
22) Diisopropyl ether	3.85	45	390222	48.193	ug/l	90
23) Vinyl Acetate	3.81	43	1742157	239.503	ug/l	100
24) 1,1-Dichloroethane	3.70	63	183584	46.785	ug/l	100
25) 2-Butanone	4.67	43	525542	239.054	ug/l	99
26) 2,2-Dichloropropane	4.58	77	135946	45.799	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	100353	44.624	ug/l	100
28) Bromochloromethane	5.01	49	94244	46.282	ug/l	99
29) Tetrahydrofuran	5.12	42	327580	232.365	ug/l	99
30) Chloroform	5.21	83	165772	46.843	ug/l	99
31) Cyclohexane	5.58	56	181939	48.954	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	137726	47.787	ug/l	99
36) 1,1-Dichloropropene	5.80	75	128822	47.420	ug/l	99
37) Ethyl Acetate	4.83	43	185693	49.057	ug/l	99
38) Carbon Tetrachloride	5.78	117	115977	49.404	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	167767	52.063	ug/l	98
40) Benzene	6.14	78	395355	49.060	ug/l	100
41) Methacrylonitrile	5.04	41	106192	48.011	ug/l	98
42) 1,2-Dichloroethane	6.19	62	143854	48.285	ug/l	100
43) Isopropyl Acetate	6.44	43	289003	47.318	ug/l	100
44) Trichloroethene	7.21	130	93717	47.877	ug/l	99
45) 1,2-Dichloropropane	7.51	63	113576	48.959	ug/l	99
46) Dibromomethane	7.66	93	63551	46.540	ug/l	100
47) Bromodichloromethane	7.90	83	128111	49.337	ug/l	99
48) Methyl methacrylate	7.77	41	152779	50.531	ug/l	99
49) 1,4-Dioxane	7.74	88	53407	949.629	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	939777	236.535	ug/l	100
52) Toluene	8.78	92	238877	48.821	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	150430	48.305	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164781	48.564	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95454	48.470	ug/l	98
56) Ethyl methacrylate	9.18	69	173007	49.346	ug/l	99
57) 1,3-Dichloropropane	9.37	76	166375	47.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	455354	247.680	ug/l	99
59) 2-Hexanone	9.49	43	737789	241.194	ug/l	100
60) Dibromochloromethane	9.58	129	96159	49.638	ug/l	99
61) 1,2-Dibromoethane	9.67	107	97655	48.268	ug/l	99
64) Tetrachloroethene	9.34	164	88352	52.047	ug/l	97
65) Chlorobenzene	10.13	112	248570	48.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89325	50.619	ug/l	99
67) Ethyl Benzene	10.25	91	461510	50.520	ug/l	99
68) m/p-Xylenes	10.36	106	341113	101.074	ug/l	99
69) o-Xylene	10.69	106	163091	50.389	ug/l	100
70) Styrene	10.71	104	287384	50.636	ug/l	99
71) Bromoform	10.85	173	75152	52.100	ug/l	98
73) Isopropylbenzene	11.02	105	440226	48.738	ug/l	99
74) N-amyl acetate	10.90	43	253701	47.005	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	154578	45.872	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	137542m	46.984	ug/l	
77) Bromobenzene	11.26	156	110048	47.808	ug/l	96
78) n-propylbenzene	11.36	91	520618	50.005	ug/l	100
79) 2-Chlorotoluene	11.42	91	304691	47.900	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	375719	49.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54134	45.752	ug/l	98
82) 4-Chlorotoluene	11.51	91	354156	47.827	ug/l	99
83) tert-Butylbenzene	11.77	119	358526	49.248	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	380811	49.278	ug/l	99
85) sec-Butylbenzene	11.94	105	435419	50.274	ug/l	100
86) p-Isopropyltoluene	12.06	119	402365	51.650	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	194746	47.521	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	197498	47.255	ug/l	99
89) n-Butylbenzene	12.38	91	375344	51.269	ug/l	100
90) Hexachloroethane	12.60	117	67428	50.436	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	194392	48.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35304	44.509	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	141525	49.015	ug/l	99
94) Hexachlorobutadiene	13.78	225	74173	51.216	ug/l	99
95) Naphthalene	13.83	128	430951	47.962	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141337	48.902	ug/l	100

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

