

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009208.D
 Acq On : 29 Apr 2019 15:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:47 AM

Quant Time: Apr 30 07:31:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	179947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136003	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	131528	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
35) Dibromofluoromethane	5.49	113	94288	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	8.71	98	379467	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.13	95	141712	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	79977	48.230	ug/l	98
3) Chloromethane	1.32	50	112271	49.591	ug/l	100
4) Vinyl Chloride	1.41	62	104916	47.525	ug/l	97
5) Bromomethane	1.64	94	66540	50.218	ug/l	98
6) Chloroethane	1.71	64	67008	47.276	ug/l	98
7) Trichlorofluoromethane	1.92	101	128153	47.756	ug/l	99
8) Diethyl Ether	2.18	74	65944	51.879	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81266	48.225	ug/l	99
10) Methyl Iodide	2.51	142	81215	42.263	ug/l	99
11) Tert butyl alcohol	3.05	59	154721	272.100	ug/l	100
12) 1,1-Dichloroethene	2.37	96	81734	48.409	ug/l	99
13) Acrolein	2.29	56	129983	252.415	ug/l	99
14) Allyl chloride	2.73	41	199568	48.501	ug/l	100
15) Acrylonitrile	3.14	53	368200	264.833	ug/l	99
16) Acetone	2.45	43	330444	250.519	ug/l	97
17) Carbon Disulfide	2.57	76	230581	48.642	ug/l	99
18) Methyl Acetate	2.77	43	163103	51.994	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	349205	53.260	ug/l	99
20) Methylene Chloride	2.85	84	104955	49.143	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	89252	48.742	ug/l	98
22) Diisopropyl ether	3.85	45	408707	51.650	ug/l	99
23) Vinyl Acetate	3.81	43	1867796	275.648	ug/l	100
24) 1,1-Dichloroethane	3.70	63	191530	49.065	ug/l	99
25) 2-Butanone	4.67	43	552009	269.306	ug/l	99
26) 2,2-Dichloropropane	4.58	77	139650	48.062	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	110034	50.344	ug/l	97
28) Bromochloromethane	5.01	49	86560	55.380	ug/l	99
29) Tetrahydrofuran	5.13	42	361095	273.764	ug/l	99
30) Chloroform	5.21	83	178495	50.557	ug/l	99
31) Cyclohexane	5.58	56	177222	48.798	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	141574	48.170	ug/l	100
36) 1,1-Dichloropropene	5.80	75	131102	47.695	ug/l	99
37) Ethyl Acetate	4.83	43	205631	53.692	ug/l	100
38) Carbon Tetrachloride	5.78	117	117852	47.190	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	161225	47.760	ug/l	99
40) Benzene	6.14	78	414534	48.729	ug/l	100
41) Methacrylonitrile	5.04	41	117148	51.386	ug/l	100
42) 1,2-Dichloroethane	6.19	62	156858	51.403	ug/l	99
43) Isopropyl Acetate	6.44	43	328219	53.578	ug/l	100
44) Trichloroethene	7.21	130	96716	47.028	ug/l	99
45) 1,2-Dichloropropane	7.51	63	122740	50.955	ug/l	98
46) Dibromomethane	7.66	93	71192	50.895	ug/l	99
47) Bromodichloromethane	7.90	83	142077	50.919	ug/l	99
48) Methyl methacrylate	7.77	41	163172	53.688	ug/l	100
49) 1,4-Dioxane	7.74	88	63488	1030.057	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1063399	265.580	ug/l	100
52) Toluene	8.78	92	252150	48.762	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	169730	53.879	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	184093	52.797	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	107415	50.916	ug/l	95
56) Ethyl methacrylate	9.18	69	201506	53.509	ug/l	100
57) 1,3-Dichloropropane	9.37	76	190935	51.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	528334	264.461	ug/l	100
59) 2-Hexanone	9.49	43	839736	267.029	ug/l	100
60) Dibromochloromethane	9.58	129	109007	52.904	ug/l	100
61) 1,2-Dibromoethane	9.67	107	111121	52.180	ug/l	100
64) Tetrachloroethene	9.34	164	85862	46.019	ug/l	96
65) Chlorobenzene	10.13	112	265178	48.736	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	97061	49.203	ug/l	99
67) Ethyl Benzene	10.25	91	482340	48.167	ug/l	100
68) m/p-Xylenes	10.36	106	352652	96.370	ug/l	98
69) o-Xylene	10.69	106	173393	48.025	ug/l	98
70) Styrene	10.71	104	312969	49.873	ug/l	99
71) Bromoform	10.85	173	83442	52.051	ug/l	100
73) Isopropylbenzene	11.02	105	457463	46.255	ug/l	99
74) N-amyl acetate	10.90	43	303754	52.681	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	184827	50.132	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	160437m	50.855	ug/l	
77) Bromobenzene	11.26	156	117837	48.004	ug/l	99
78) n-propylbenzene	11.36	91	531182	47.029	ug/l	99
79) 2-Chlorotoluene	11.42	91	322843	46.330	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	393975	47.311	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63985	51.894	ug/l	100
82) 4-Chlorotoluene	11.51	91	372378	47.303	ug/l	99
83) tert-Butylbenzene	11.77	119	378233	46.691	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	400179	47.876	ug/l	99
85) sec-Butylbenzene	11.94	105	446071	46.446	ug/l	100
86) p-Isopropyltoluene	12.06	119	407547	47.202	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	208110	47.557	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	212604	48.190	ug/l	100
89) n-Butylbenzene	12.38	91	372477	47.730	ug/l	99
90) Hexachloroethane	12.60	117	69643	47.345	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	217283	48.749	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43009	52.002	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	152325	49.976	ug/l	99
94) Hexachlorobutadiene	13.78	225	73239	47.055	ug/l	99
95) Naphthalene	13.83	128	511022	51.534	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	152408	49.329	ug/l	99

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

