

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009196.D
 Acq On : 26 Apr 2019 17:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 11:25:43 AM

Quant Time: Apr 27 05:50:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142041	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	119312	43.13	ug/l	0.00
Spiked Amount			Recovery	=	86.26%	
35) Dibromofluoromethane	5.50	113	88226	42.95	ug/l	0.00
Spiked Amount			Recovery	=	85.90%	
50) Toluene-d8	8.71	98	352903	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	
62) 4-Bromofluorobenzene	11.13	95	132049	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102172	45.187	ug/l	99
3) Chloromethane	1.32	50	124775	44.949	ug/l	99
4) Vinyl Chloride	1.41	62	120983	44.779	ug/l	100
5) Bromomethane	1.64	94	61905	37.622	ug/l	96
6) Chloroethane	1.71	64	80602	50.733	ug/l	96
7) Trichlorofluoromethane	1.92	101	141197	44.761	ug/l	99
8) Diethyl Ether	2.19	74	65563	45.447	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87267	43.269	ug/l	99
10) Methyl Iodide	2.51	142	77983	36.656	ug/l	100
11) Tert butyl alcohol	3.06	59	161759	263.410	ug/l	100
12) 1,1-Dichloroethene	2.37	96	89536	42.531	ug/l	98
13) Acrolein	2.29	56	107361	202.337	ug/l	99
14) Allyl chloride	2.73	41	215660	46.956	ug/l	99
15) Acrylonitrile	3.14	53	379330	243.336	ug/l	99
16) Acetone	2.45	43	353608	246.475	ug/l	99
17) Carbon Disulfide	2.57	76	251718	40.924	ug/l	99
18) Methyl Acetate	2.78	43	175400	48.986	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	348822	46.503	ug/l	99
20) Methylene Chloride	2.85	84	107145	43.671	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	94132	41.922	ug/l	96
22) Diisopropyl ether	3.86	45	418949	46.942	ug/l	90
23) Vinyl Acetate	3.82	43	1890117	240.928	ug/l	99
24) 1,1-Dichloroethane	3.70	63	202466	45.193	ug/l	100
25) 2-Butanone	4.68	43	580748	253.247	ug/l	99
26) 2,2-Dichloropropane	4.59	77	143706	42.793	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	112938	44.300	ug/l	100
28) Bromochloromethane	5.02	49	84333	45.132	ug/l	99
29) Tetrahydrofuran	5.13	42	376889	245.548	ug/l	99
30) Chloroform	5.21	83	185124	46.177	ug/l	97
31) Cyclohexane	5.58	56	191661	43.496	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	152163	45.795	ug/l	100
36) 1,1-Dichloropropene	5.80	75	139994	42.293	ug/l	98
37) Ethyl Acetate	4.84	43	209624	49.215	ug/l	100
38) Carbon Tetrachloride	5.78	117	126062	44.923	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	172332	42.761	ug/l	99
40) Benzene	6.14	78	435992	44.649	ug/l	99
41) Methacrylonitrile	5.04	41	118513	48.481	ug/l	99
42) 1,2-Dichloroethane	6.20	62	156052	45.113	ug/l	99
43) Isopropyl Acetate	6.45	43	328609	47.875	ug/l	100
44) Trichloroethene	7.21	130	102217	42.722	ug/l	99
45) 1,2-Dichloropropane	7.51	63	124624	46.003	ug/l	100
46) Dibromomethane	7.66	93	70454	44.687	ug/l	100
47) Bromodichloromethane	7.90	83	143718	46.476	ug/l	99
48) Methyl methacrylate	7.77	41	166156	48.991	ug/l	99
49) 1,4-Dioxane	7.74	88	64748	1019.993	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1119025	255.904	ug/l	99
52) Toluene	8.79	92	265132	45.304	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	165905	46.618	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	182662	45.839	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	106463	45.900	ug/l	99
56) Ethyl methacrylate	9.18	69	203195	48.857	ug/l	99
57) 1,3-Dichloropropane	9.37	76	189486	45.883	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	500020	223.262	ug/l	99
59) 2-Hexanone	9.49	43	878762	260.655	ug/l	100
60) Dibromochloromethane	9.59	129	105433	47.429	ug/l	99
61) 1,2-Dibromoethane	9.67	107	110190	46.030	ug/l	99
64) Tetrachloroethene	9.34	164	90356	40.652	ug/l	97
65) Chlorobenzene	10.14	112	270991	43.881	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	98058	45.073	ug/l	99
67) Ethyl Benzene	10.25	91	507162	44.925	ug/l	99
68) m/p-Xylenes	10.36	106	370893	90.401	ug/l	99
69) o-Xylene	10.69	106	181311	45.418	ug/l	98
70) Styrene	10.71	104	319405	46.171	ug/l	99
71) Bromoform	10.86	173	82705	47.717	ug/l #	99
73) Isopropylbenzene	11.02	105	483583	44.915	ug/l	100
74) N-amyl acetate	10.90	43	303887	49.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	184269	46.842	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	157929m	45.534	ug/l	
77) Bromobenzene	11.26	156	118587	43.655	ug/l	99
78) n-propylbenzene	11.36	91	557075	45.080	ug/l	99
79) 2-Chlorotoluene	11.42	91	336735	45.219	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	411238	45.517	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62553	46.302	ug/l	97
82) 4-Chlorotoluene	11.51	91	384741	44.487	ug/l	100
83) tert-Butylbenzene	11.77	119	404617	46.646	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	413424	44.953	ug/l	100
85) sec-Butylbenzene	11.94	105	469717	45.403	ug/l	100
86) p-Isopropyltoluene	12.06	119	425963	44.784	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	211056	44.391	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	210856	43.749	ug/l	100
89) n-Butylbenzene	12.39	91	389430	43.963	ug/l	100
90) Hexachloroethane	12.60	117	71737	45.723	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	216207	46.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42958	47.961	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	148355	43.775	ug/l	99
94) Hexachlorobutadiene	13.78	225	73639	43.566	ug/l	98
95) Naphthalene	13.83	128	506256	46.625	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	151249	45.231	ug/l	100

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

