

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007898.D
 Acq On : 07 Mar 2019 22:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:39:58 AM

Quant Time: Mar 08 07:06:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177296	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	141340	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	5.50	113	126192	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	465569	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.13	95	164417	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	112664	48.326	ug/l	99
3) Chloromethane	1.33	50	143456	47.749	ug/l	99
4) Vinyl Chloride	1.41	62	149014	49.917	ug/l	99
5) Bromomethane	1.64	94	70350	50.223	ug/l	99
6) Chloroethane	1.72	64	104130	52.507	ug/l	99
7) Trichlorofluoromethane	1.93	101	193599	49.811	ug/l	97
8) Diethyl Ether	2.19	74	85860	51.015	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	116639	48.427	ug/l	99
10) Methyl Iodide	2.51	142	182618	53.446	ug/l	100
11) Tert butyl alcohol	3.07	59	160844	249.856	ug/l	100
12) 1,1-Dichloroethene	2.37	96	115389	49.701	ug/l	99
13) Acrolein	2.30	56	67239	184.973	ug/l	99
14) Allyl chloride	2.73	41	241124	49.425	ug/l	99
15) Acrylonitrile	3.15	53	401626	247.172	ug/l	100
16) Acetone	2.45	43	333300	200.043	ug/l	99
17) Carbon Disulfide	2.57	76	360014	51.074	ug/l	100
18) Methyl Acetate	2.78	43	184158	52.027	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	409024	51.211	ug/l	100
20) Methylene Chloride	2.86	84	129874	48.978	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	123883	48.495	ug/l	99
22) Diisopropyl ether	3.87	45	453369	50.696	ug/l	99
23) Vinyl Acetate	3.82	43	1981284	252.643	ug/l	100
24) 1,1-Dichloroethane	3.70	63	243400	50.576	ug/l	99
25) 2-Butanone	4.70	43	549939	233.141	ug/l	100
26) 2,2-Dichloropropane	4.59	77	141527	44.388	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	145940	49.925	ug/l	98
28) Bromochloromethane	5.02	49	111749	49.807	ug/l	100
29) Tetrahydrofuran	5.15	42	370547	251.841	ug/l	100
30) Chloroform	5.21	83	231524	50.857	ug/l	100
31) Cyclohexane	5.57	56	221090	49.985	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	194378	51.461	ug/l	99
36) 1,1-Dichloropropene	5.80	75	176190	48.158	ug/l	100
37) Ethyl Acetate	4.85	43	208470	48.016	ug/l	100
38) Carbon Tetrachloride	5.78	117	173229	49.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212883	48.020	ug/l	99
40) Benzene	6.14	78	540482	49.622	ug/l	100
41) Methacrylonitrile	5.06	41	117266	49.540	ug/l	99
42) 1,2-Dichloroethane	6.20	62	175608	49.300	ug/l	100
43) Isopropyl Acetate	6.46	43	322711	50.224	ug/l	100
44) Trichloroethene	7.21	130	146010	48.644	ug/l	100
45) 1,2-Dichloropropane	7.52	63	145239	50.487	ug/l	98
46) Dibromomethane	7.66	93	90179	49.534	ug/l	100
47) Bromodichloromethane	7.90	83	175253	50.773	ug/l	100
48) Methyl methacrylate	7.77	41	168227	49.797	ug/l	99
49) 1,4-Dioxane	7.75	88	67670	975.113	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1035422	250.570	ug/l	100
52) Toluene	8.79	92	330477	49.698	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	186533	51.776	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	209911	51.596	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135869	50.473	ug/l	99
56) Ethyl methacrylate	9.18	69	210651	52.119	ug/l	99
57) 1,3-Dichloropropane	9.37	76	225690	49.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	532570	254.732	ug/l	100
59) 2-Hexanone	9.49	43	773504	241.102	ug/l	100
60) Dibromochloromethane	9.59	129	147722	52.502	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143543	50.224	ug/l	100
64) Tetrachloroethene	9.34	164	140727	48.344	ug/l	98
65) Chlorobenzene	10.14	112	360346	49.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	135286	51.352	ug/l	99
67) Ethyl Benzene	10.25	91	611873	50.568	ug/l	99
68) m/p-Xylenes	10.36	106	472372	101.282	ug/l	100
69) o-Xylene	10.69	106	228379	50.720	ug/l	100
70) Styrene	10.71	104	378363	51.351	ug/l	100
71) Bromoform	10.85	173	116020	51.282	ug/l #	99
73) Isopropylbenzene	11.02	105	610921	50.949	ug/l	100
74) N-amyl acetate	10.90	43	276122	50.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	200177	48.398	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	192188m	51.658	ug/l	
77) Bromobenzene	11.26	156	161733	49.197	ug/l	99
78) n-propylbenzene	11.36	91	680393	51.148	ug/l	100
79) 2-Chlorotoluene	11.42	91	404132	49.688	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	500465	50.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57986	49.820	ug/l	99
82) 4-Chlorotoluene	11.51	91	465953	49.990	ug/l	100
83) tert-Butylbenzene	11.77	119	497149	50.010	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	515583	50.962	ug/l	100
85) sec-Butylbenzene	11.94	105	606262	51.781	ug/l	99
86) p-Isopropyltoluene	12.06	119	542287	51.718	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	285005	49.004	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	282720	47.467	ug/l	99
89) n-Butylbenzene	12.38	91	454546	51.168	ug/l	100
90) Hexachloroethane	12.60	117	90453	51.595	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	282187	48.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42044	48.639	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	200289	49.346	ug/l	100
94) Hexachlorobutadiene	13.78	225	105340	49.641	ug/l	99
95) Naphthalene	13.83	128	603171	51.576	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	203288	50.278	ug/l	99

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

