

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041019\
 Data File : VX008818.D
 Acq On : 10 Apr 2019 20:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:48:26 AM

Quant Time: Apr 11 08:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	176090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118305	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	119406	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.49	113	88749	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	8.71	98	356773	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.13	95	124317	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	78786	38.869	ug/l	99
3) Chloromethane	1.32	50	111877	44.863	ug/l	99
4) Vinyl Chloride	1.41	62	109440	39.941	ug/l	100
5) Bromomethane	1.64	94	55402	41.383	ug/l	99
6) Chloroethane	1.71	64	68555	45.543	ug/l	98
7) Trichlorofluoromethane	1.92	101	126766	41.852	ug/l	97
8) Diethyl Ether	2.19	74	61048	42.501	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	84101	43.126	ug/l	98
10) Methyl Iodide	2.51	142	81513	46.224	ug/l	100
11) Tert butyl alcohol	3.06	59	128273	213.330	ug/l	100
12) 1,1-Dichloroethene	2.37	96	85818	42.155	ug/l	97
13) Acrolein	2.29	56	127491	427.606	ug/l	97
14) Allyl chloride	2.73	41	203671	43.703	ug/l	99
15) Acrylonitrile	3.14	53	351560	220.702	ug/l	100
16) Acetone	2.45	43	311491	210.565	ug/l	98
17) Carbon Disulfide	2.57	76	239948	40.679	ug/l	100
18) Methyl Acetate	2.78	43	162596	45.320	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	331086	45.540	ug/l	100
20) Methylene Chloride	2.85	84	103955	41.982	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	91863	41.718	ug/l	94
22) Diisopropyl ether	3.85	45	406681	45.275	ug/l	94
23) Vinyl Acetate	3.81	43	1797650	230.052	ug/l	99
24) 1,1-Dichloroethane	3.70	63	196136	44.102	ug/l	99
25) 2-Butanone	4.67	43	524676	224.404	ug/l	98
26) 2,2-Dichloropropane	4.59	77	136765	43.663	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	109280	43.165	ug/l	99
28) Bromochloromethane	5.01	49	101164	54.743	ug/l	100
29) Tetrahydrofuran	5.13	42	344814	222.196	ug/l	98
30) Chloroform	5.21	83	177161	44.601	ug/l	98
31) Cyclohexane	5.58	56	184164	41.501	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	144640	45.061	ug/l	100
36) 1,1-Dichloropropene	5.80	75	135497	42.622	ug/l	99
37) Ethyl Acetate	4.83	43	197074	46.443	ug/l	100
38) Carbon Tetrachloride	5.78	117	119861	45.554	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165619	42.173	ug/l	99
40) Benzene	6.14	78	421995	44.558	ug/l	100
41) Methacrylonitrile	5.04	41	113128	46.381	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152322	44.863	ug/l	99
43) Isopropyl Acetate	6.45	43	310593	46.725	ug/l	100
44) Trichloroethene	7.21	130	99020	44.891	ug/l	96
45) 1,2-Dichloropropane	7.51	63	122021	45.140	ug/l	99
46) Dibromomethane	7.66	93	68162	43.476	ug/l	98
47) Bromodichloromethane	7.90	83	137303	46.448	ug/l	100
48) Methyl methacrylate	7.77	41	157031	46.700	ug/l	99
49) 1,4-Dioxane	7.74	88	53326	846.587	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1006625	235.243	ug/l	100
52) Toluene	8.79	92	252769	45.271	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	158680	47.920	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	175559	46.399	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	103956	46.383	ug/l	99
56) Ethyl methacrylate	9.18	69	191897	47.322	ug/l	99
57) 1,3-Dichloropropane	9.37	76	186922	46.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	493520	238.341	ug/l	100
59) 2-Hexanone	9.49	43	749239	225.303	ug/l	100
60) Dibromochloromethane	9.58	129	102178	48.380	ug/l	100
61) 1,2-Dibromoethane	9.67	107	106017	45.438	ug/l	99
64) Tetrachloroethene	9.34	164	86493	44.923	ug/l	99
65) Chlorobenzene	10.14	112	258617	44.895	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	93755	46.393	ug/l	99
67) Ethyl Benzene	10.25	91	480967	44.777	ug/l	99
68) m/p-Xylenes	10.36	106	344816	89.281	ug/l	99
69) o-Xylene	10.69	106	169047	45.165	ug/l	98
70) Styrene	10.71	104	296078	45.891	ug/l	100
71) Bromoform	10.85	173	73494	47.617	ug/l #	99
73) Isopropylbenzene	11.02	105	454249	46.332	ug/l	100
74) N-amyl acetate	10.90	43	263423	45.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163370	43.814	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	142271m	43.776	ug/l	
77) Bromobenzene	11.26	156	108258	45.931	ug/l	98
78) n-propylbenzene	11.36	91	521063	45.644	ug/l	100
79) 2-Chlorotoluene	11.42	91	309563	44.810	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	379489	46.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55250	46.862	ug/l	98
82) 4-Chlorotoluene	11.51	91	354513	44.333	ug/l	98
83) tert-Butylbenzene	11.77	119	361568	45.665	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	380619	45.675	ug/l	99
85) sec-Butylbenzene	11.94	105	434732	46.224	ug/l	99
86) p-Isopropyltoluene	12.06	119	393676	46.637	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	188376	44.644	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	188581	44.136	ug/l	100
89) n-Butylbenzene	12.38	91	364205	46.007	ug/l	100
90) Hexachloroethane	12.60	117	65174	46.550	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	188293	44.945	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35862	43.721	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	132892	45.622	ug/l	99
94) Hexachlorobutadiene	13.78	225	65760	47.073	ug/l	99
95) Naphthalene	13.83	128	438187	45.009	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132639	45.575	ug/l	98

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

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