

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010063.D
 Acq On : 04 Jun 2019 17:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 9:26:56 AM

Quant Time: Jun 05 08:02:41 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	184116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133898	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	112256	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	
35) Dibromofluoromethane	5.49	113	82844	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	337265	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.13	95	127326	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105817	47.033	ug/l	99
3) Chloromethane	1.32	50	112271	37.119	ug/l	100
4) Vinyl Chloride	1.41	62	106863	39.192	ug/l	100
5) Bromomethane	1.64	94	79161	47.918	ug/l	99
6) Chloroethane	1.71	64	65741	39.167	ug/l	99
7) Trichlorofluoromethane	1.92	101	125587	41.681	ug/l	100
8) Diethyl Ether	2.18	74	54427	38.440	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79862	43.902	ug/l	98
10) Methyl Iodide	2.51	142	80242	36.962	ug/l	100
11) Tert butyl alcohol	3.05	59	127924	199.864	ug/l	100
12) 1,1-Dichloroethene	2.37	96	78648	42.180	ug/l	97
13) Acrolein	2.29	56	103656	230.290	ug/l	99
14) Allyl chloride	2.73	41	190596	42.057	ug/l	99
15) Acrylonitrile	3.14	53	302979	196.459	ug/l	100
16) Acetone	2.45	43	329715	219.418	ug/l	99
17) Carbon Disulfide	2.57	76	225105	39.948	ug/l	98
18) Methyl Acetate	2.77	43	142164	40.659	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	304306	43.228	ug/l	99
20) Methylene Chloride	2.85	84	95034	41.298	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	85147	41.041	ug/l	98
22) Diisopropyl ether	3.85	45	365303	42.365	ug/l	86
23) Vinyl Acetate	3.81	43	1614767	208.456	ug/l	99
24) 1,1-Dichloroethane	3.69	63	175501	41.998	ug/l	99
25) 2-Butanone	4.67	43	486264	207.703	ug/l	98
26) 2,2-Dichloropropane	4.58	77	141265	44.689	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	100094	41.795	ug/l	97
28) Bromochloromethane	5.01	49	85011	39.203	ug/l	96
29) Tetrahydrofuran	5.12	42	294896	196.428	ug/l	99
30) Chloroform	5.21	83	162348	43.078	ug/l	97
31) Cyclohexane	5.57	56	172071	43.476	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	137583	44.827	ug/l	99
36) 1,1-Dichloropropene	5.80	75	126856	44.344	ug/l	99
37) Ethyl Acetate	4.83	43	169652	42.561	ug/l	100
38) Carbon Tetrachloride	5.78	117	115879	46.875	ug/l	97

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39) Methylcyclohexane	7.46	83	160432	47.278	ug/l	97
40) Benzene	6.14	78	381043	44.901	ug/l	99
41) Methacrylonitrile	5.04	41	96815	41.566	ug/l	97
42) 1,2-Dichloroethane	6.19	62	139025	44.313	ug/l	100
43) Isopropyl Acetate	6.44	43	279980	43.531	ug/l	99
44) Trichloroethene	7.21	130	93051	45.141	ug/l	96
45) 1,2-Dichloropropane	7.51	63	107831	44.141	ug/l	95
46) Dibromomethane	7.66	93	61882	43.035	ug/l	97
47) Bromodichloromethane	7.90	83	128724	47.075	ug/l	97
48) Methyl methacrylate	7.77	41	141678	44.498	ug/l	99
49) 1,4-Dioxane	7.74	88	51810	874.814	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	922583	220.507	ug/l	99
52) Toluene	8.78	92	235830	45.770	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	153954	46.946	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	167564	46.896	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95397	46.000	ug/l	97
56) Ethyl methacrylate	9.18	69	178657	48.389	ug/l	99
57) 1,3-Dichloropropane	9.37	76	166885	44.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	426367	220.228	ug/l	99
59) 2-Hexanone	9.49	43	735389	228.296	ug/l	100
60) Dibromochloromethane	9.58	129	99526	48.787	ug/l	99
61) 1,2-Dibromoethane	9.67	107	97955	45.976	ug/l	100
64) Tetrachloroethene	9.34	164	85255	47.020	ug/l	97
65) Chlorobenzene	10.13	112	248792	45.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	91313	48.445	ug/l	99
67) Ethyl Benzene	10.25	91	464302	47.584	ug/l	100
68) m/p-Xylenes	10.35	106	343909	95.404	ug/l	99
69) o-Xylene	10.69	106	167752	48.523	ug/l	98
70) Styrene	10.71	104	298188	49.189	ug/l	99
71) Bromoform	10.85	173	78210	50.762	ug/l #	98
73) Isopropylbenzene	11.02	105	454953	46.051	ug/l	99
74) N-amyl acetate	10.90	43	261961	44.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	157444	42.718	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	139118m	43.448	ug/l	
77) Bromobenzene	11.26	156	113756	45.183	ug/l	96
78) n-propylbenzene	11.36	91	538808	47.316	ug/l	100
79) 2-Chlorotoluene	11.42	91	312606	44.931	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	389813	46.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57185	44.188	ug/l	99
82) 4-Chlorotoluene	11.51	91	367586	45.385	ug/l	99
83) tert-Butylbenzene	11.77	119	376238	47.251	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	394962	46.728	ug/l	100
85) sec-Butylbenzene	11.94	105	452350	47.752	ug/l	99
86) p-Isopropyltoluene	12.06	119	418383	49.103	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	207014	46.184	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	206975	45.277	ug/l	98
89) n-Butylbenzene	12.38	91	390789	48.803	ug/l	99
90) Hexachloroethane	12.59	117	69916	47.814	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	204177	46.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35361	40.759	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	153273	48.534	ug/l	99
94) Hexachlorobutadiene	13.78	225	79021	49.886	ug/l	99
95) Naphthalene	13.83	128	454910	46.288	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149649	47.339	ug/l	99

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

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