

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010330.D
 Acq On : 17 Jun 2019 18:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 11:27:04 AM

Quant Time: Jun 18 02:23:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	284283	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	421649	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	396050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208312	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	136103	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.49	113	132015	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	8.71	98	483766	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	188469	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	119443	45.662	ug/l	98
3) Chloromethane	1.32	50	114126	43.932	ug/l	99
4) Vinyl Chloride	1.40	62	116789	47.834	ug/l	99
5) Bromomethane	1.64	94	51720	56.136	ug/l	99
6) Chloroethane	1.71	64	70056	56.910	ug/l	99
7) Trichlorofluoromethane	1.92	101	194658	53.673	ug/l	100
8) Diethyl Ether	2.18	74	73324	58.658	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	119195	47.678	ug/l	90
10) Methyl Iodide	2.51	142	167693	43.293	ug/l	97
11) Tert butyl alcohol	3.05	59	186165	273.861	ug/l	99
12) 1,1-Dichloroethene	2.37	96	114772	44.947	ug/l #	80
13) Acrolein	2.29	56	30567	246.605	ug/l	98
14) Allyl chloride	2.72	41	177915	46.159	ug/l #	90
15) Acrylonitrile	3.14	53	369767	266.123	ug/l	98
16) Acetone	2.44	43	336439	257.776	ug/l	89
17) Carbon Disulfide	2.56	76	272605	36.948	ug/l	98
18) Methyl Acetate	2.77	43	159438	55.547	ug/l #	83
19) Methyl tert-butyl Ether	3.19	73	423557	51.631	ug/l	93
20) Methylene Chloride	2.85	84	136814	47.731	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	122814	43.461	ug/l #	78
22) Diisopropyl ether	3.85	45	382713	51.933	ug/l #	82
23) Vinyl Acetate	3.81	43	1704107	259.208	ug/l #	87
24) 1,1-Dichloroethane	3.69	63	213074	47.621	ug/l	97
25) 2-Butanone	4.67	43	518592	266.834	ug/l #	82
26) 2,2-Dichloropropane	4.58	77	178943	43.838	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	151867	48.309	ug/l	79
28) Bromochloromethane	5.01	49	94718	47.234	ug/l #	52
29) Tetrahydrofuran	5.12	42	316140	258.833	ug/l #	76
30) Chloroform	5.20	83	230907	49.692	ug/l	97
31) Cyclohexane	5.57	56	179939	44.560	ug/l #	74
32) 1,1,1-Trichloroethane	5.49	97	198295	45.392	ug/l	94
36) 1,1-Dichloropropene	5.80	75	156870	45.601	ug/l	92
37) Ethyl Acetate	4.83	43	187598	52.413	ug/l #	92
38) Carbon Tetrachloride	5.78	117	175019	44.949	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210227	44.880	ug/l #	85
40) Benzene	6.14	78	516786	48.583	ug/l	99
41) Methacrylonitrile	5.04	41	102458	52.919	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	171429	50.481	ug/l	93
43) Isopropyl Acetate	6.44	43	312925	52.289	ug/l #	89
44) Trichloroethene	7.21	130	153230	47.789	ug/l	88
45) 1,2-Dichloropropane	7.51	63	135311	50.823	ug/l	98
46) Dibromomethane	7.66	93	99013	49.640	ug/l	89
47) Bromodichloromethane	7.90	83	185820	49.856	ug/l	99
48) Methyl methacrylate	7.77	41	149132	53.285	ug/l #	79
49) 1,4-Dioxane	7.74	88	84982	1064.993	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	1007898	281.921	ug/l	90
52) Toluene	8.78	92	339222	48.514	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	213189	49.451	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	226827	49.079	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	154277	53.874	ug/l	96
56) Ethyl methacrylate	9.18	69	242148	53.530	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	235262	52.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	561835	263.460	ug/l #	86
59) 2-Hexanone	9.49	43	789890	277.108	ug/l	88
60) Dibromochloromethane	9.58	129	175055	51.681	ug/l	100
61) 1,2-Dibromoethane	9.67	107	165602	51.923	ug/l	99
64) Tetrachloroethene	9.34	164	148228	50.391	ug/l	99
65) Chlorobenzene	10.13	112	395667	48.405	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	153379	48.793	ug/l	99
67) Ethyl Benzene	10.25	91	663824	47.705	ug/l	95
68) m/p-Xylenes	10.35	106	515085	95.656	ug/l	91
69) o-Xylene	10.69	106	256520	47.923	ug/l	90
70) Styrene	10.71	104	449470	49.579	ug/l	95
71) Bromoform	10.85	173	145244	50.261	ug/l	98
73) Isopropylbenzene	11.02	105	678566	46.664	ug/l	96
74) N-amyl acetate	10.90	43	285346	49.640	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	244660	49.151	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	205950m	49.428	ug/l	
77) Bromobenzene	11.25	156	192009	48.016	ug/l	82
78) n-propylbenzene	11.36	91	758903	46.878	ug/l	94
79) 2-Chlorotoluene	11.42	91	446044	45.875	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	575655	47.000	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	85153	45.154	ug/l	86
82) 4-Chlorotoluene	11.51	91	521393	47.206	ug/l	92
83) tert-Butylbenzene	11.77	119	574853	46.372	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	579922	46.876	ug/l	94
85) sec-Butylbenzene	11.94	105	679721	47.064	ug/l	96
86) p-Isopropyltoluene	12.06	119	630449	47.750	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	340686	48.368	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	337516	47.534	ug/l	98
89) n-Butylbenzene	12.38	91	550178	48.410	ug/l	97
90) Hexachloroethane	12.59	117	114472	43.524	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	337355	49.265	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52858	45.126	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	244306	48.740	ug/l	99
94) Hexachlorobutadiene	13.78	225	107588	48.263	ug/l	99
95) Naphthalene	13.83	128	784805	49.738	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	248979	50.237	ug/l	100

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

