

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010163.D
 Acq On : 09 Jun 2019 00:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 9:40:35 AM

Quant Time: Jun 10 09:17:59 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	5.67	168	260999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	401907	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126240	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	5.50	113	125333	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	8.71	98	477944	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.13	95	179655	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	127224	52.976	ug/l	100
3) Chloromethane	1.32	50	125356	52.559	ug/l	99
4) Vinyl Chloride	1.41	62	127722	56.978	ug/l	99
5) Bromomethane	1.64	94	48411	57.232	ug/l	99
6) Chloroethane	1.71	64	67697	59.900	ug/l	100
7) Trichlorofluoromethane	1.92	101	190632	57.252	ug/l	98
8) Diethyl Ether	2.19	74	64527	56.226	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111457	48.560	ug/l	90
10) Methyl Iodide	2.51	142	186546	52.457	ug/l	96
11) Tert butyl alcohol	3.05	59	164147	263.013	ug/l	99
12) 1,1-Dichloroethene	2.37	96	114559	48.866	ug/l #	76
13) Acrolein	2.29	56	29125	255.933	ug/l	99
14) Allyl chloride	2.73	41	163732	46.269	ug/l #	88
15) Acrylonitrile	3.14	53	326274	255.770	ug/l	98
16) Acetone	2.45	43	256627	214.166	ug/l #	84
17) Carbon Disulfide	2.57	76	312901	46.193	ug/l	98
18) Methyl Acetate	2.78	43	132715	50.362	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	366519	48.664	ug/l	92
20) Methylene Chloride	2.85	84	128569	48.856	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	122276	47.131	ug/l #	75
22) Diisopropyl ether	3.85	45	341916	50.536	ug/l #	89
23) Vinyl Acetate	3.82	43	1487180	246.392	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	199287	48.513	ug/l	95
25) 2-Butanone	4.68	43	442179	247.813	ug/l #	81
26) 2,2-Dichloropropane	4.59	77	133203	35.544	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	143233	49.627	ug/l	77
28) Bromochloromethane	5.01	49	92365	50.170	ug/l #	47
29) Tetrahydrofuran	5.13	42	287604	256.476	ug/l #	74
30) Chloroform	5.21	83	209587	49.127	ug/l	100
31) Cyclohexane	5.58	56	186854	50.400	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	190746	47.559	ug/l	93
36) 1,1-Dichloropropene	5.80	75	154773	47.202	ug/l	93
37) Ethyl Acetate	4.84	43	165946	48.641	ug/l #	91
38) Carbon Tetrachloride	5.78	117	175307	47.235	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	205661	46.062	ug/l #	83
40) Benzene	6.14	78	500410	49.354	ug/l	100
41) Methacrylonitrile	5.04	41	90980	49.299	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	152263	47.039	ug/l	93
43) Isopropyl Acetate	6.45	43	276363	48.448	ug/l #	88
44) Trichloroethene	7.21	130	148046	48.441	ug/l	86
45) 1,2-Dichloropropane	7.51	63	123898	48.822	ug/l	97
46) Dibromomethane	7.66	93	89525	47.088	ug/l	90
47) Bromodichloromethane	7.90	83	171088	48.158	ug/l #	98
48) Methyl methacrylate	7.77	41	131782	49.399	ug/l #	78
49) 1,4-Dioxane	7.74	88	76842	1010.285	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	896280	263.015	ug/l	90
52) Toluene	8.79	92	324533	48.693	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	186053	45.277	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	201581	45.759	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	137308	50.304	ug/l	97
56) Ethyl methacrylate	9.18	69	216050	50.107	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	213257	49.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	501979	246.955	ug/l #	86
59) 2-Hexanone	9.49	43	698240	256.988	ug/l	87
60) Dibromochloromethane	9.58	129	158843	49.199	ug/l	100
61) 1,2-Dibromoethane	9.67	107	149346	49.126	ug/l	99
64) Tetrachloroethene	9.34	164	135984	49.739	ug/l	98
65) Chlorobenzene	10.13	112	371562	48.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	141417	48.404	ug/l	99
67) Ethyl Benzene	10.25	91	626143	48.414	ug/l	94
68) m/p-Xylenes	10.36	106	495417	98.989	ug/l	89
69) o-Xylene	10.69	106	243046	48.854	ug/l	89
70) Styrene	10.71	104	420976	49.962	ug/l	95
71) Bromoform	10.85	173	133430	49.679	ug/l	98
73) Isopropylbenzene	11.02	105	639570	47.976	ug/l	95
74) N-amyl acetate	10.90	43	255758	48.534	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	220534	48.328	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	181130m	47.419	ug/l	
77) Bromobenzene	11.26	156	175737	47.938	ug/l	82
78) n-propylbenzene	11.36	91	708994	47.772	ug/l	94
79) 2-Chlorotoluene	11.42	91	423950	47.563	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	534900	47.639	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	74220	42.931	ug/l #	83
82) 4-Chlorotoluene	11.51	91	483434	47.744	ug/l	91
83) tert-Butylbenzene	11.77	119	538642	47.397	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	544932	48.048	ug/l	97
85) sec-Butylbenzene	11.94	105	628821	47.494	ug/l	96
86) p-Isopropyltoluene	12.06	119	576607	47.638	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	308648	47.799	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	310686	47.729	ug/l	97
89) n-Butylbenzene	12.38	91	492396	47.260	ug/l	97
90) Hexachloroethane	12.59	117	111471	46.232	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	305058	48.595	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48484	45.151	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	212920	46.336	ug/l	98
94) Hexachlorobutadiene	13.78	225	92932	45.474	ug/l	99
95) Naphthalene	13.83	128	700323	48.415	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	215337	47.395	ug/l	99

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

