

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009569.D
 Acq On : 15 May 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:23 PM

Quant Time: May 16 01:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	163446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	252086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119377	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	108292	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	5.49	113	81003	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	8.71	98	324840	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.13	95	123132	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63316	42.038	ug/l	99
3) Chloromethane	1.32	50	91814	44.650	ug/l	99
4) Vinyl Chloride	1.41	62	90380	45.073	ug/l	97
5) Bromomethane	1.64	94	53275	44.266	ug/l	97
6) Chloroethane	1.71	64	58376	45.344	ug/l	99
7) Trichlorofluoromethane	1.93	101	116072	47.621	ug/l	100
8) Diethyl Ether	2.19	74	53076	45.971	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72346	47.266	ug/l	98
10) Methyl Iodide	2.51	142	84994	47.995	ug/l	99
11) Tert butyl alcohol	3.04	59	102696	198.840	ug/l	100
12) 1,1-Dichloroethene	2.37	96	71714	46.762	ug/l	96
13) Acrolein	2.29	56	98066	209.661	ug/l	100
14) Allyl chloride	2.73	41	171247	45.820	ug/l	99
15) Acrylonitrile	3.14	53	279070	220.989	ug/l	100
16) Acetone	2.44	43	297313	248.157	ug/l	98
17) Carbon Disulfide	2.57	76	198358	46.069	ug/l	99
18) Methyl Acetate	2.77	43	122520	43.000	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	276149	46.370	ug/l	100
20) Methylene Chloride	2.85	84	86139	44.405	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	78150	46.988	ug/l	96
22) Diisopropyl ether	3.85	45	338503	47.097	ug/l	92
23) Vinyl Acetate	3.81	43	1483148	240.979	ug/l	100
24) 1,1-Dichloroethane	3.70	63	162771	45.907	ug/l	99
25) 2-Butanone	4.67	43	430936	231.464	ug/l	99
26) 2,2-Dichloropropane	4.58	77	122858	46.552	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	93019	46.856	ug/l	99
28) Bromochloromethane	5.01	49	65528	45.674	ug/l	98
29) Tetrahydrofuran	5.12	42	266520	222.461	ug/l	100
30) Chloroform	5.21	83	152175	47.454	ug/l	98
31) Cyclohexane	5.57	56	158615	48.083	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	124301	46.563	ug/l	99
36) 1,1-Dichloropropene	5.79	75	116076	49.549	ug/l	100
37) Ethyl Acetate	4.83	43	155637	47.682	ug/l	99
38) Carbon Tetrachloride	5.78	117	106584	50.076	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	146624	50.964	ug/l	99
40) Benzene	6.14	78	354207	48.855	ug/l	100
41) Methacrylonitrile	5.04	41	89655	46.143	ug/l	99
42) 1,2-Dichloroethane	6.19	62	127719	49.109	ug/l	100
43) Isopropyl Acetate	6.44	43	248458	47.588	ug/l	100
44) Trichloroethene	7.21	130	86025	49.080	ug/l	98
45) 1,2-Dichloropropane	7.51	63	100927	49.162	ug/l	96
46) Dibromomethane	7.66	93	56897	47.726	ug/l	97
47) Bromodichloromethane	7.89	83	117519	49.418	ug/l	97
48) Methyl methacrylate	7.76	41	126058	48.666	ug/l	99
49) 1,4-Dioxane	7.74	88	41833	796.362	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	816516	239.268	ug/l	99
52) Toluene	8.78	92	216799	49.192	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	135961	50.640	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	148898	50.105	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	88410	49.171	ug/l	99
56) Ethyl methacrylate	9.18	69	156684	48.818	ug/l	99
57) 1,3-Dichloropropane	9.37	76	155168	49.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	399743	234.777	ug/l	100
59) 2-Hexanone	9.49	43	654253	244.108	ug/l	99
60) Dibromochloromethane	9.58	129	87763	49.977	ug/l	98
61) 1,2-Dibromoethane	9.67	107	88862	48.961	ug/l	99
64) Tetrachloroethene	9.34	164	80027	50.951	ug/l	98
65) Chlorobenzene	10.13	112	228125	49.803	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	82372	49.603	ug/l	100
67) Ethyl Benzene	10.25	91	423608	50.250	ug/l	99
68) m/p-Xylenes	10.35	106	312823	101.547	ug/l	99
69) o-Xylene	10.69	106	152096	50.041	ug/l	99
70) Styrene	10.71	104	268309	50.789	ug/l	99
71) Bromoform	10.85	173	67403	49.946	ug/l #	100
73) Isopropylbenzene	11.02	105	411575	47.411	ug/l	99
74) N-amyl acetate	10.90	43	234018	46.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	145429	44.939	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	127020m	45.870	ug/l	
77) Bromobenzene	11.26	156	101186	46.962	ug/l	99
78) n-propylbenzene	11.36	91	482258	48.644	ug/l	100
79) 2-Chlorotoluene	11.42	91	282078	46.118	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	350111	47.899	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	50691	46.838	ug/l	99
82) 4-Chlorotoluene	11.51	91	329287	47.654	ug/l	99
83) tert-Butylbenzene	11.77	119	336482	47.322	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353832	48.227	ug/l	98
85) sec-Butylbenzene	11.94	105	409039	48.521	ug/l	100
86) p-Isopropyltoluene	12.06	119	374980	49.479	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	186728	48.614	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	185876	47.999	ug/l	100
89) n-Butylbenzene	12.38	91	348467	50.873	ug/l	99
90) Hexachloroethane	12.59	117	62735	48.589	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	184686	47.207	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32105	44.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134854	50.406	ug/l	97
94) Hexachlorobutadiene	13.78	225	71002	51.971	ug/l	98
95) Naphthalene	13.83	128	402965	46.296	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131747	48.581	ug/l	100

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

