

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054638.D
 Acq On : 24 Mar 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:54:37 AM

Quant Time: Mar 25 06:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	468128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	742805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290518	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	232132	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	870209	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.40	95	303764	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	225465	50.381	ug/l	98
3) Chloromethane	2.06	50	294036	48.291	ug/l	100
4) Vinyl Chloride	2.19	62	280434	45.874	ug/l	98
5) Bromomethane	2.57	94	155405	39.314	ug/l	99
6) Chloroethane	2.71	64	158338	43.183	ug/l	99
7) Trichlorofluoromethane	3.02	101	350425	47.202	ug/l	99
8) Diethyl Ether	3.41	74	119995	42.027	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	196754	45.095	ug/l	92
10) Methyl Iodide	3.94	142	268735	41.871	ug/l #	89
11) Tert butyl alcohol	4.81	59	85877	243.607	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	184756	40.918	ug/l #	76
13) Acrolein	3.61	56	36533	75.096	ug/l	91
14) Allyl chloride	4.32	41	438849	51.614	ug/l #	91
15) Acrylonitrile	4.99	53	450472	256.601	ug/l	99
16) Acetone	3.82	43	492217	281.168	ug/l #	83
17) Carbon Disulfide	4.04	76	530817	43.876	ug/l	100
18) Methyl Acetate	4.33	43	200110	51.285	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	644067	48.876	ug/l	95
20) Methylene Chloride	4.54	84	241162	46.733	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	226452	49.115	ug/l	85
22) Diisopropyl ether	5.96	45	885700	52.811	ug/l #	95
23) Vinyl Acetate	5.90	43	3178725	268.363	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	459038	50.834	ug/l	98
25) 2-Butanone	6.84	43	643498	286.951	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	331874	51.557	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	265003	48.188	ug/l	87
28) Bromochloromethane	7.19	49	232952	52.410	ug/l #	71
29) Tetrahydrofuran	7.22	42	382026	262.514	ug/l #	84
30) Chloroform	7.37	83	445403	50.542	ug/l	98
31) Cyclohexane	7.65	56	444481	51.422	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	364728	50.166	ug/l	94
36) 1,1-Dichloropropene	7.79	75	340039	48.960	ug/l	96
37) Ethyl Acetate	6.94	43	256598	51.946	ug/l	95
38) Carbon Tetrachloride	7.77	117	318082	47.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	387220	48.740	ug/l	89
40) Benzene	8.04	78	976256	49.156	ug/l	100
41) Methacrylonitrile	7.17	41	153420	50.928	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	358719	49.597	ug/l	96
43) Isopropyl Acetate	8.17	43	441408	52.911	ug/l #	92
44) Trichloroethene	8.83	130	260640	47.204	ug/l	90
45) 1,2-Dichloropropane	9.12	63	274019	51.382	ug/l	100
46) Dibromomethane	9.21	93	156258	49.115	ug/l	90
47) Bromodichloromethane	9.40	83	336115	50.905	ug/l	98
48) Methyl methacrylate	9.20	41	227905	50.333	ug/l	87
49) 1,4-Dioxane	9.20	88	48226	952.699	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1236478	267.437	ug/l	93
52) Toluene	10.16	92	590682	48.357	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	326094	46.960	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	398199	52.597	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	217512	49.537	ug/l	95
56) Ethyl methacrylate	10.43	69	302591	51.344	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	384041	50.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	557842	229.869	ug/l	90
59) 2-Hexanone	10.75	43	835290	276.588	ug/l	91
60) Dibromochloromethane	10.90	129	237067	50.739	ug/l	98
61) 1,2-Dibromoethane	11.00	107	214475	49.408	ug/l	100
64) Tetrachloroethene	10.63	164	253574	47.161	ug/l	95
65) Chlorobenzene	11.43	112	637963	48.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	236186	49.910	ug/l	99
67) Ethyl Benzene	11.51	91	1148096	49.297	ug/l	98
68) m/p-Xylenes	11.62	106	854644	96.884	ug/l	94
69) o-Xylene	11.95	106	413863	48.040	ug/l	95
70) Styrene	11.96	104	697419	49.851	ug/l	96
71) Bromoform	12.13	173	143961	44.386	ug/l #	99
73) Isopropylbenzene	12.25	105	1106730	46.966	ug/l	98
74) N-amyl acetate	12.07	43	363788	53.690	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	270964	50.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	225175m	48.525	ug/l	
77) Bromobenzene	12.53	156	273728	46.836	ug/l	86
78) n-propylbenzene	12.59	91	1253991	49.075	ug/l	97
79) 2-Chlorotoluene	12.67	91	752755	47.241	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	915013	47.378	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58937	44.179	ug/l #	80
82) 4-Chlorotoluene	12.77	91	757772	49.061	ug/l	95
83) tert-Butylbenzene	12.99	119	798246	47.483	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	907983	47.913	ug/l	98
85) sec-Butylbenzene	13.17	105	1007566	48.079	ug/l	98
86) p-Isopropyltoluene	13.29	119	914022	48.751	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	473416	48.881	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	454727	48.256	ug/l	98
89) n-Butylbenzene	13.61	91	759465	51.804	ug/l	98
90) Hexachloroethane	13.87	117	142057	48.812	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	453731	48.368	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39642	50.243	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	239165	51.143	ug/l	98
94) Hexachlorobutadiene	15.01	225	152076	58.291	ug/l	99
95) Naphthalene	15.13	128	502957	48.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	226911	48.753	ug/l	99

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

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