

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054108.D
 Acq On : 5 Mar 2019 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:16:44 AM

Quant Time: Mar 06 03:41:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	656839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	920004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	381970	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	338319	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	1259934	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	423849	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	272234	45.034	ug/l	100
3) Chloromethane	2.06	50	390076	46.521	ug/l	99
4) Vinyl Chloride	2.19	62	393504	46.838	ug/l	99
5) Bromomethane	2.57	94	180302	32.405	ug/l	100
6) Chloroethane	2.71	64	240742	46.075	ug/l	99
7) Trichlorofluoromethane	3.02	101	502878	46.854	ug/l	98
8) Diethyl Ether	3.41	74	202647	50.395	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	317381	46.821	ug/l	95
10) Methyl Iodide	3.95	142	298103	33.468	ug/l	98
11) Tert butyl alcohol	4.78	59	127833	261.894	ug/l	99
12) 1,1-Dichloroethene	3.74	96	304351	46.939	ug/l	93
13) Acrolein	3.61	56	87112	172.376	ug/l	99
14) Allyl chloride	4.32	41	575211	50.580	ug/l	96
15) Acrylonitrile	4.98	53	669725	260.332	ug/l	99
16) Acetone	3.81	43	484432	237.050	ug/l	98
17) Carbon Disulfide	4.05	76	885459	42.331	ug/l	98
18) Methyl Acetate	4.32	43	304905	56.633	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	906315	52.105	ug/l	98
20) Methylene Chloride	4.55	84	364324	47.808	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	334164	47.616	ug/l	93
22) Diisopropyl ether	5.95	45	1151354	52.478	ug/l	95
23) Vinyl Acetate	5.89	43	4113488	260.627	ug/l	96
24) 1,1-Dichloroethane	5.85	63	664330	49.377	ug/l	98
25) 2-Butanone	6.83	43	764834	252.984	ug/l	96
26) 2,2-Dichloropropane	6.82	77	458715	47.989	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	387414	49.638	ug/l	94
28) Bromochloromethane	7.19	49	319930	51.950	ug/l	82
29) Tetrahydrofuran	7.21	42	522953	259.752	ug/l	92
30) Chloroform	7.37	83	636050	48.754	ug/l	98
31) Cyclohexane	7.65	56	601005	48.802	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	527506	49.039	ug/l	97
36) 1,1-Dichloropropene	7.79	75	486268	49.773	ug/l	97
37) Ethyl Acetate	6.93	43	332777	47.704	ug/l	97
38) Carbon Tetrachloride	7.77	117	457673	45.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	553271	46.985	ug/l	94
40) Benzene	8.04	78	1486073	49.515	ug/l	99
41) Methacrylonitrile	7.17	41	168952	37.613	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	464773	50.020	ug/l	97
43) Isopropyl Acetate	8.16	43	590859	50.165	ug/l #	90
44) Trichloroethene	8.84	130	383826	48.239	ug/l	97
45) 1,2-Dichloropropane	9.12	63	407957	50.382	ug/l	99
46) Dibromomethane	9.21	93	228877	48.688	ug/l	94
47) Bromodichloromethane	9.40	83	493266	49.790	ug/l	99
48) Methyl methacrylate	9.20	41	284733	52.556	ug/l	95
49) 1,4-Dioxane	9.20	88	79508	1083.535	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1644818	271.760	ug/l	95
52) Toluene	10.16	92	887558	50.222	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	490993	50.936	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	578078	50.871	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	325758	49.357	ug/l	97
56) Ethyl methacrylate	10.43	69	415646	48.107	ug/l	91
57) 1,3-Dichloropropane	10.71	76	569391	51.059	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	925771	230.876	ug/l	95
59) 2-Hexanone	10.75	43	1034974	262.923	ug/l	95
60) Dibromochloromethane	10.90	129	360814	49.191	ug/l	99
61) 1,2-Dibromoethane	11.00	107	315241	49.514	ug/l	99
64) Tetrachloroethene	10.63	164	371021	47.625	ug/l	97
65) Chlorobenzene	11.43	112	941631	48.497	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	349273	49.912	ug/l	100
67) Ethyl Benzene	11.51	91	1628105	50.018	ug/l	100
68) m/p-Xylenes	11.62	106	1249015	101.668	ug/l	97
69) o-Xylene	11.95	106	606274	50.225	ug/l	97
70) Styrene	11.96	104	981625	52.870	ug/l	99
71) Bromoform	12.13	173	239410	49.178	ug/l #	99
73) Isopropylbenzene	12.25	105	1581034	48.727	ug/l	99
74) N-amyl acetate	12.07	43	457509	53.798	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	390652	48.146	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	327580m	48.990	ug/l	
77) Bromobenzene	12.53	156	396557	48.137	ug/l	91
78) n-propylbenzene	12.59	91	1841725	49.910	ug/l	98
79) 2-Chlorotoluene	12.67	91	1089363	49.143	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1341250	50.493	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	102476	48.438	ug/l	91
82) 4-Chlorotoluene	12.77	91	1102358	50.317	ug/l	96
83) tert-Butylbenzene	12.99	119	1173267	49.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1356543	51.153	ug/l	99
85) sec-Butylbenzene	13.17	105	1560044	48.617	ug/l	98
86) p-Isopropyltoluene	13.29	119	1351752	49.831	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	690104	48.425	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	669638	48.433	ug/l	98
89) n-Butylbenzene	13.62	91	1137965	49.777	ug/l	99
90) Hexachloroethane	13.87	117	241319	45.908	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	688077	49.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60843	53.062	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339640	44.583	ug/l	99
94) Hexachlorobutadiene	15.01	225	211315	42.406	ug/l	99
95) Naphthalene	15.13	128	714851	43.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	332654	45.413	ug/l	99

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

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