

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053402.D
 Acq On : 15 Jan 2019 12:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:20 AM

Quant Time: Jan 16 03:44:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	955287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1410090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1264065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	617312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	471735	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	416814	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.09	98	1724121	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	607274	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	379666	49.432	ug/l	99
3) Chloromethane	2.06	50	520176	47.369	ug/l	99
4) Vinyl Chloride	2.19	62	511115	48.285	ug/l	99
5) Bromomethane	2.55	94	331202	45.601	ug/l	100
6) Chloroethane	2.70	64	301550	47.118	ug/l	98
7) Trichlorofluoromethane	3.02	101	688881	49.754	ug/l	99
8) Diethyl Ether	3.41	74	266959	51.336	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	445296	50.783	ug/l	100
10) Methyl Iodide	3.95	142	650066	48.513	ug/l	100
11) Tert butyl alcohol	4.78	59	128485	278.094	ug/l	99
12) 1,1-Dichloroethene	3.74	96	420717	49.467	ug/l	99
13) Acrolein	3.60	56	234019	258.703	ug/l	99
14) Allyl chloride	4.32	41	714602	51.727	ug/l	95
15) Acrylonitrile	4.98	53	815263	268.125	ug/l	99
16) Acetone	3.81	43	552786	249.533	ug/l	99
17) Carbon Disulfide	4.06	76	1282670	49.871	ug/l	99
18) Methyl Acetate	4.32	43	388611	52.067	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1196602	52.951	ug/l	99
20) Methylene Chloride	4.55	84	480786	47.537	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	456797	50.237	ug/l	99
22) Diisopropyl ether	5.95	45	1461400	50.673	ug/l	97
23) Vinyl Acetate	5.89	43	4811336	271.392	ug/l	99
24) 1,1-Dichloroethane	5.85	63	839892	49.263	ug/l	100
25) 2-Butanone	6.83	43	934443	273.727	ug/l	99
26) 2,2-Dichloropropane	6.82	77	657769	51.099	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	523928	50.390	ug/l	99
28) Bromochloromethane	7.19	49	373052	49.668	ug/l	98
29) Tetrahydrofuran	7.21	42	608568	273.836	ug/l	99
30) Chloroform	7.37	83	820007	49.365	ug/l	97
31) Cyclohexane	7.65	56	825234	49.736	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	702693	49.868	ug/l	99
36) 1,1-Dichloropropene	7.79	75	659100	51.324	ug/l	100
37) Ethyl Acetate	6.93	43	411307	55.212	ug/l	99
38) Carbon Tetrachloride	7.77	117	618447	50.868	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	858300	54.075	ug/l	99
40) Benzene	8.04	78	1971113	50.510	ug/l	99
41) Methacrylonitrile	7.17	41	206371	44.799	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	577890	50.831	ug/l	100
43) Isopropyl Acetate	8.16	43	751843	54.198	ug/l	100
44) Trichloroethene	8.83	130	547887	50.627	ug/l	100
45) 1,2-Dichloropropane	9.12	63	523054	50.604	ug/l	99
46) Dibromomethane	9.21	93	298910	50.334	ug/l	99
47) Bromodichloromethane	9.40	83	628537	50.328	ug/l	99
48) Methyl methacrylate	9.20	41	379007	55.254	ug/l	100
49) 1,4-Dioxane	9.20	88	66765	996.636	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2052140	282.967	ug/l	100
52) Toluene	10.16	92	1227429	50.664	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	676815	53.467	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	778718	52.477	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	433199	51.864	ug/l	99
56) Ethyl methacrylate	10.43	69	597506	50.390	ug/l	100
57) 1,3-Dichloropropane	10.71	76	747803	51.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1586753	271.548	ug/l	99
59) 2-Hexanone	10.75	43	1451620	285.136	ug/l	99
60) Dibromochloromethane	10.90	129	488670	51.582	ug/l	99
61) 1,2-Dibromoethane	11.01	107	444231	52.588	ug/l	99
64) Tetrachloroethene	10.63	164	581974	48.854	ug/l	99
65) Chlorobenzene	11.43	112	1365500	51.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	476767	51.221	ug/l	99
67) Ethyl Benzene	11.51	91	2365957	51.886	ug/l	100
68) m/p-Xylenes	11.62	106	1823500	105.918	ug/l	99
69) o-Xylene	11.95	106	875136	52.313	ug/l	100
70) Styrene	11.96	104	1460414	53.790	ug/l	99
71) Bromoform	12.13	173	346213	54.028	ug/l #	100
73) Isopropylbenzene	12.25	105	2352604	52.041	ug/l	100
74) N-amyl acetate	12.07	43	681166	56.524	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	515969	54.422	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	444008m	57.127	ug/l	
77) Bromobenzene	12.53	156	606959	50.954	ug/l	99
78) n-propylbenzene	12.59	91	2740927	52.821	ug/l	99
79) 2-Chlorotoluene	12.67	91	1579845	51.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1936182	52.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167754	52.077	ug/l	98
82) 4-Chlorotoluene	12.77	91	1628646	51.923	ug/l	100
83) tert-Butylbenzene	12.99	119	1722384	53.020	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1967697	53.057	ug/l	100
85) sec-Butylbenzene	13.17	105	2369826	53.192	ug/l	100
86) p-Isopropyltoluene	13.29	119	2087790	53.970	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1093259	52.175	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1071494	50.979	ug/l	99
89) n-Butylbenzene	13.62	91	1803237	54.685	ug/l	100
90) Hexachloroethane	13.88	117	317279	52.296	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1010045	52.396	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67447	56.105	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	444165	52.097	ug/l	99
94) Hexachlorobutadiene	15.01	225	340917	56.692	ug/l	98
95) Naphthalene	15.13	128	772163	51.606	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	324258	51.936	ug/l	100

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

