

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054769.D
 Acq On : 29 Mar 2019 14:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:34 PM

Quant Time: Mar 30 03:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	455677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	719364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	296401	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.59	113	237766	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.09	98	888254	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	311039	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	222059	48.178	ug/l	100
3) Chloromethane	2.06	50	301136	47.251	ug/l	98
4) Vinyl Chloride	2.19	62	271716	47.477	ug/l	99
5) Bromomethane	2.57	94	156522	52.266	ug/l	95
6) Chloroethane	2.71	64	152907	47.847	ug/l	98
7) Trichlorofluoromethane	3.02	101	345159	49.055	ug/l	99
8) Diethyl Ether	3.41	74	112016	49.441	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	184097	49.702	ug/l	93
10) Methyl Iodide	3.94	142	252607	49.817	ug/l #	87
11) Tert butyl alcohol	4.82	59	86581	270.529	ug/l	99
12) 1,1-Dichloroethene	3.73	96	174637	48.755	ug/l #	72
13) Acrolein	3.61	56	78712	275.108	ug/l	97
14) Allyl chloride	4.32	41	440860	49.969	ug/l #	90
15) Acrylonitrile	4.99	53	461547	259.456	ug/l	100
16) Acetone	3.82	43	412535	281.631	ug/l #	83
17) Carbon Disulfide	4.04	76	573741	49.386	ug/l	99
18) Methyl Acetate	4.33	43	204254	53.601	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	638337	50.947	ug/l	96
20) Methylene Chloride	4.55	84	245573	47.528	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	231561	49.218	ug/l	85
22) Diisopropyl ether	5.96	45	878294	50.333	ug/l #	94
23) Vinyl Acetate	5.90	43	3260616	268.510	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	460084	49.427	ug/l	97
25) 2-Butanone	6.85	43	621385	286.979	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	342917	52.561	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	262647	49.418	ug/l	86
28) Bromochloromethane	7.19	49	242495	52.099	ug/l #	70
29) Tetrahydrofuran	7.22	42	391859	260.565	ug/l #	84
30) Chloroform	7.37	83	441285	49.717	ug/l	100
31) Cyclohexane	7.65	56	449939	53.180	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	372116	50.589	ug/l	95
36) 1,1-Dichloropropene	7.79	75	341586	50.960	ug/l	96
37) Ethyl Acetate	6.94	43	258965	52.683	ug/l	95
38) Carbon Tetrachloride	7.77	117	325800	50.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	393211	53.358	ug/l	88
40) Benzene	8.04	78	995925	51.925	ug/l	99
41) Methacrylonitrile	7.17	41	148191	53.667	ug/l	90
42) 1,2-Dichloroethane	8.13	62	352633	51.491	ug/l	97
43) Isopropyl Acetate	8.17	43	447179	55.988	ug/l #	94
44) Trichloroethene	8.83	130	261641	52.550	ug/l	91
45) 1,2-Dichloropropane	9.12	63	280453	51.280	ug/l	97
46) Dibromomethane	9.21	93	157712	51.263	ug/l	89
47) Bromodichloromethane	9.40	83	338641	52.963	ug/l	98
48) Methyl methacrylate	9.20	41	232280	53.649	ug/l	87
49) 1,4-Dioxane	9.20	88	51865	1207.310	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1255439	279.575	ug/l	93
52) Toluene	10.16	92	594708	52.108	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	333587	55.463	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	397724	55.357	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	220787	52.026	ug/l	96
56) Ethyl methacrylate	10.43	69	308607	55.436	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	390387	53.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	619250	257.895	ug/l	89
59) 2-Hexanone	10.75	43	828123	288.077	ug/l	91
60) Dibromochloromethane	10.90	129	238243	55.421	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216492	53.382	ug/l	99
64) Tetrachloroethene	10.63	164	250394	51.090	ug/l	97
65) Chlorobenzene	11.43	112	630126	50.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237004	50.637	ug/l	99
67) Ethyl Benzene	11.51	91	1159640	51.391	ug/l	98
68) m/p-Xylenes	11.62	106	868457	104.000	ug/l	94
69) o-Xylene	11.95	106	417990	51.046	ug/l	95
70) Styrene	11.96	104	703614	53.741	ug/l	97
71) Bromoform	12.13	173	150729	54.971	ug/l #	99
73) Isopropylbenzene	12.25	105	1112974	46.643	ug/l	98
74) N-amyl acetate	12.07	43	371648	49.994	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	274293	52.222	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232621m	45.868	ug/l	
77) Bromobenzene	12.53	156	273555	47.502	ug/l	85
78) n-propylbenzene	12.59	91	1282356	48.896	ug/l	96
79) 2-Chlorotoluene	12.67	91	771676	47.560	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	936823	47.848	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	66875	51.291	ug/l	84
82) 4-Chlorotoluene	12.77	91	771622	48.962	ug/l	96
83) tert-Butylbenzene	12.99	119	791108	52.242	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	927773	49.739	ug/l	97
85) sec-Butylbenzene	13.17	105	1037062	48.759	ug/l	98
86) p-Isopropyltoluene	13.29	119	931504	49.656	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	479710	49.753	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	463422	49.005	ug/l	98
89) n-Butylbenzene	13.61	91	802962	52.463	ug/l	98
90) Hexachloroethane	13.87	117	152645	47.926	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	468455	48.142	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42837	52.514	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	246203	52.482	ug/l	99
94) Hexachlorobutadiene	15.01	225	154681	55.924	ug/l	99
95) Naphthalene	15.13	128	534666	50.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	241905	51.059	ug/l	99

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

