

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054767.D
 Acq On : 29 Mar 2019 13:41
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032919

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:28 PM

Quant Time: Mar 30 03:15:30 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	465266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	725981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293286	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	237627	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	895658	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	311271	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	227552	48.352	ug/l	99
3) Chloromethane	2.06	50	311211	47.826	ug/l	99
4) Vinyl Chloride	2.19	62	275657	47.173	ug/l	98
5) Bromomethane	2.57	94	161030	52.681	ug/l	97
6) Chloroethane	2.71	64	153041	46.902	ug/l	99
7) Trichlorofluoromethane	3.02	101	346491	48.229	ug/l	99
8) Diethyl Ether	3.41	74	115301	49.842	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188240	49.773	ug/l	93
10) Methyl Iodide	3.94	142	261359	50.481	ug/l #	89
11) Tert butyl alcohol	4.81	59	79392	242.954	ug/l	100
12) 1,1-Dichloroethene	3.73	96	181234	49.554	ug/l #	74
13) Acrolein	3.61	56	75048	256.896	ug/l	97
14) Allyl chloride	4.32	41	438656	48.694	ug/l #	91
15) Acrylonitrile	5.00	53	456946	251.576	ug/l	100
16) Acetone	3.82	43	402298	268.982	ug/l #	82
17) Carbon Disulfide	4.04	76	579700	48.870	ug/l	98
18) Methyl Acetate	4.33	43	199103	51.130	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	640045	50.031	ug/l	95
20) Methylene Chloride	4.55	84	250697	47.519	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	233995	48.711	ug/l	85
22) Diisopropyl ether	5.96	45	893185	50.131	ug/l #	94
23) Vinyl Acetate	5.90	43	3255768	262.585	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	465845	49.014	ug/l	97
25) 2-Butanone	6.84	43	607711	274.879	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	342894	51.475	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	268902	49.552	ug/l	87
28) Bromochloromethane	7.19	49	237860	50.050	ug/l #	72
29) Tetrahydrofuran	7.22	42	383848	249.978	ug/l #	83
30) Chloroform	7.37	83	444268	49.022	ug/l	99
31) Cyclohexane	7.65	56	454180	52.550	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	375389	49.982	ug/l	95
36) 1,1-Dichloropropene	7.79	75	345963	51.142	ug/l	96
37) Ethyl Acetate	6.94	43	264678	53.354	ug/l	95
38) Carbon Tetrachloride	7.77	117	331724	50.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	400529	53.856	ug/l	89
40) Benzene	8.04	78	1008106	52.081	ug/l	100
41) Methacrylonitrile	7.17	41	138176	49.584	ug/l	93
42) 1,2-Dichloroethane	8.12	62	361233	52.266	ug/l	97
43) Isopropyl Acetate	8.17	43	443130	54.975	ug/l #	94
44) Trichloroethene	8.83	130	264262	52.592	ug/l	92
45) 1,2-Dichloropropane	9.12	63	283405	51.348	ug/l	97
46) Dibromomethane	9.21	93	160796	51.789	ug/l	88
47) Bromodichloromethane	9.40	83	341844	52.976	ug/l	97
48) Methyl methacrylate	9.20	41	228330	52.256	ug/l	87
49) 1,4-Dioxane	9.20	88	42231	974.090	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1229736	271.355	ug/l	94
52) Toluene	10.16	92	608132	52.799	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	342110	56.361	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	409311	56.450	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	218748	51.076	ug/l	97
56) Ethyl methacrylate	10.43	69	305631	54.401	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	392159	53.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	638877	263.413	ug/l #	89
59) 2-Hexanone	10.75	43	809168	278.918	ug/l	90
60) Dibromochloromethane	10.90	129	240960	55.542	ug/l	99
61) 1,2-Dibromoethane	11.00	107	217911	53.242	ug/l	99
64) Tetrachloroethene	10.63	164	246483	50.162	ug/l	95
65) Chlorobenzene	11.43	112	644752	51.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	238811	50.891	ug/l	97
67) Ethyl Benzene	11.51	91	1174838	51.929	ug/l	98
68) m/p-Xylenes	11.62	106	882713	105.433	ug/l	95
69) o-Xylene	11.95	106	425345	51.809	ug/l	96
70) Styrene	11.96	104	717371	54.649	ug/l	97
71) Bromoform	12.13	173	149911	54.530	ug/l	100
73) Isopropylbenzene	12.25	105	1129160	46.908	ug/l	98
74) N-amyl acetate	12.07	43	374436	49.928	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	271827	51.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	227771m	44.519	ug/l	
77) Bromobenzene	12.53	156	278455	47.930	ug/l	85
78) n-propylbenzene	12.59	91	1310347	49.526	ug/l	95
79) 2-Chlorotoluene	12.67	91	776715	47.452	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	955972	48.399	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	65132	49.517	ug/l #	84
82) 4-Chlorotoluene	12.77	91	782118	49.194	ug/l	96
83) tert-Butylbenzene	12.99	119	807646	52.894	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	948333	50.396	ug/l	97
85) sec-Butylbenzene	13.17	105	1046348	48.766	ug/l	97
86) p-Isopropyltoluene	13.29	119	952703	50.342	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	488215	50.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	471245	49.396	ug/l	98
89) n-Butylbenzene	13.61	91	821319	53.193	ug/l	97
90) Hexachloroethane	13.87	117	154145	47.974	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	475027	48.390	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42272	51.368	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	252063	53.261	ug/l	99
94) Hexachlorobutadiene	15.01	225	154118	55.206	ug/l	99
95) Naphthalene	15.13	128	533658	50.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	245859	51.439	ug/l	98

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

