

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059732.D
 Acq On : 16 Jan 2020 15:18
 Operator : JC/MD
 Sample : VN0116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 1:53:13 PM

Quant Time: Jan 17 07:55:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109907	49.15	ug/l	0.00
Spiked Amount						
			Recovery	=	98.30%	
35) Dibromofluoromethane	7.57	113	94929	50.87	ug/l	0.00
Spiked Amount						
			Recovery	=	101.74%	
50) Toluene-d8	10.08	98	355786	49.21	ug/l	0.00
Spiked Amount						
			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	125117	48.00	ug/l	0.00
Spiked Amount						
			Recovery	=	96.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	47742	19.794	ug/l	98
3) Chloromethane	2.04	50	45296	19.648	ug/l	99
4) Vinyl Chloride	2.17	62	56881	21.565	ug/l	97
5) Bromomethane	2.54	94	33783	20.987	ug/l	98
6) Chloroethane	2.68	64	25565	20.486	ug/l	99
7) Trichlorofluoromethane	3.00	101	65507	20.680	ug/l	99
8) Diethyl Ether	3.38	74	22769	20.481	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37336	21.177	ug/l	92
10) Methyl Iodide	3.93	142	56657	19.881	ug/l	97
11) Tert butyl alcohol	4.73	59	37496	99.605	ug/l	98
12) 1,1-Dichloroethene	3.72	96	36432	19.776	ug/l	87
13) Acrolein	3.58	56	24037	90.202	ug/l	99
14) Allyl chloride	4.29	41	48161	19.395	ug/l #	83
15) Acrylonitrile	4.95	53	86571	100.815	ug/l	99
16) Acetone	3.78	43	73137	89.464	ug/l	94
17) Carbon Disulfide	4.03	76	101742	19.387	ug/l	100
18) Methyl Acetate	4.29	43	53186	20.362	ug/l	91
19) Methyl tert-butyl Ether	5.01	73	122757	20.437	ug/l	98
20) Methylene Chloride	4.52	84	41845	19.904	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	39516	20.179	ug/l	86
22) Diisopropyl ether	5.91	45	111577	19.828	ug/l	91
23) Vinyl Acetate	5.86	43	434056	99.626	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	68816	20.014	ug/l	97
25) 2-Butanone	6.80	43	114405	90.344	ug/l	91
26) 2,2-Dichloropropane	6.80	77	63148	19.103	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	44771	19.877	ug/l	87
28) Bromochloromethane	7.17	49	27054	19.686	ug/l #	75
29) Tetrahydrofuran	7.18	42	75775	96.713	ug/l #	86
30) Chloroform	7.35	83	71944	20.194	ug/l	98
31) Cyclohexane	7.63	56	64296	19.433	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	67451	20.477	ug/l	96
36) 1,1-Dichloropropene	7.77	75	53034	19.462	ug/l	96
37) Ethyl Acetate	6.90	43	48501	18.976	ug/l	96
38) Carbon Tetrachloride	7.75	117	59158	19.957	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65487	19.490	ug/l	94
40) Benzene	8.02	78	159030	19.568	ug/l	100
41) Methacrylonitrile	7.15	41	23308m	18.515	ug/l	
42) 1,2-Dichloroethane	8.10	62	55935	20.299	ug/l	96
43) Isopropyl Acetate	8.14	43	83674	19.033	ug/l #	95
44) Trichloroethene	8.82	130	45910	20.693	ug/l	94
45) 1,2-Dichloropropane	9.10	63	40578	20.177	ug/l	98
46) Dibromomethane	9.19	93	28570	20.139	ug/l	90
47) Bromodichloromethane	9.39	83	56185	19.654	ug/l	98
48) Methyl methacrylate	9.18	41	37282	18.960	ug/l	90
49) 1,4-Dioxane	9.18	88	15316	425.472	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	244552	96.231	ug/l	96
52) Toluene	10.14	92	103005	20.065	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	62396	19.548	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	66806	19.891	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	40817	20.076	ug/l	97
56) Ethyl methacrylate	10.42	69	60195	19.376	ug/l	91
57) 1,3-Dichloropropane	10.70	76	64682	20.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	98819	105.606	ug/l #	90
59) 2-Hexanone	10.74	43	174282	93.090	ug/l	94
60) Dibromochloromethane	10.89	129	46268	19.984	ug/l	100
61) 1,2-Dibromoethane	11.00	107	42642	20.011	ug/l	99
64) Tetrachloroethene	10.62	164	43701	18.995	ug/l	95
65) Chlorobenzene	11.43	112	109294	19.698	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42825	19.975	ug/l	96
67) Ethyl Benzene	11.50	91	198405	19.698	ug/l	97
68) m/p-Xylenes	11.62	106	150027	39.433	ug/l	94
69) o-Xylene	11.94	106	74032	19.876	ug/l	93
70) Styrene	11.96	104	119193	19.123	ug/l	97
71) Bromoform	12.12	173	33535	19.528	ug/l #	97
73) Isopropylbenzene	12.25	105	198314	20.410	ug/l	100
74) N-amyl acetate	12.06	43	70617	18.730	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	56241	19.966	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50760m	22.766	ug/l	
77) Bromobenzene	12.52	156	49667	20.185	ug/l	81
78) n-propylbenzene	12.59	91	218216	20.009	ug/l	97
79) 2-Chlorotoluene	12.67	91	128972	19.879	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	162652	19.905	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19218	18.510	ug/l	96
82) 4-Chlorotoluene	12.77	91	131293	20.176	ug/l	96
83) tert-Butylbenzene	12.99	119	142393	20.148	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	162990	20.161	ug/l	99
85) sec-Butylbenzene	13.17	105	184676	19.889	ug/l	99
86) p-Isopropyltoluene	13.28	119	170595	19.855	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	86917	20.335	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85438	20.037	ug/l	97
89) n-Butylbenzene	13.61	91	140041	19.116	ug/l	98
90) Hexachloroethane	13.87	117	32077	19.954	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	86102	20.377	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12508	19.410	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	51761	20.386	ug/l	100
94) Hexachlorobutadiene	15.01	225	28373	20.278	ug/l	99
95) Naphthalene	15.13	128	143224	19.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49238	19.923	ug/l	99

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

