

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050772.D
 Acq On : 20 Aug 2018 14:21
 Operator : MD\SY
 Sample : VN0820WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:13:24 PM

Quant Time: Aug 21 03:56:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	832545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	391045	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	397650	49.35	ug/l	0.00
Spiked Amount						
			Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	375151	50.49	ug/l	0.00
Spiked Amount						
			Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1406431	50.30	ug/l	0.00
Spiked Amount						
			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	435749	47.17	ug/l	0.00
Spiked Amount						
			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	123935	17.20	ug/l	100
3) Chloromethane	2.06	50	166349	18.63	ug/l	99
4) Vinyl Chloride	2.19	62	166878	17.43	ug/l	100
5) Bromomethane	2.56	94	99778	18.06	ug/l	99
6) Chloroethane	2.70	64	103020	18.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	223478	17.79	ug/l	97
8) Diethyl Ether	3.41	74	75814	18.15	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141995	18.69	ug/l	99
10) Methyl Iodide	3.95	142	87315	20.87	ug/l	99
11) Tert butyl alcohol	4.80	59	42245	96.03	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	124166	17.90	ug/l	98
13) Acrolein	3.61	56	33406	197.19	ug/l	100
14) Allyl chloride	4.33	41	197168	18.28	ug/l	99
15) Acrylonitrile	4.99	53	229372	94.93	ug/l	98
16) Acetone	3.82	43	204090	100.58	ug/l	99
17) Carbon Disulfide	4.05	76	367342	16.83	ug/l	99
18) Methyl Acetate	4.33	43	121385	20.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	337034	19.09	ug/l	99
20) Methylene Chloride	4.55	84	153026	19.20	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	135749	18.05	ug/l	97
22) Diisopropyl ether	5.96	45	439365	19.86	ug/l	98
23) Vinyl Acetate	5.90	43	1366869	94.47	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261482	18.27	ug/l	99
25) 2-Butanone	6.84	43	317854	96.22	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207842	21.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	156432	18.68	ug/l	99
28) Bromochloromethane	7.20	49	127330	19.55	ug/l	100
29) Tetrahydrofuran	7.22	42	164603	95.43	ug/l	99
30) Chloroform	7.37	83	268109	18.49	ug/l	99
31) Cyclohexane	7.66	56	226460	18.32	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	223631	18.32	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197169	19.03	ug/l	99
37) Ethyl Acetate	6.93	43	117949	20.14	ug/l	98
38) Carbon Tetrachloride	7.78	117	200844	18.69	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199043	18.56	ug/l	97
40) Benzene	8.04	78	607395	19.27	ug/l	100
41) Methacrylonitrile	7.19	41	66291m	20.94	ug/l	
42) 1,2-Dichloroethane	8.13	62	186037	19.26	ug/l	100
43) Isopropyl Acetate	8.17	43	207110	19.41	ug/l	100
44) Trichloroethene	8.84	130	156465	18.53	ug/l	100
45) 1,2-Dichloropropane	9.12	63	161915	19.30	ug/l	99
46) Dibromomethane	9.21	93	92648	18.70	ug/l	98
47) Bromodichloromethane	9.40	83	200136	18.90	ug/l	100
48) Methyl methacrylate	9.20	41	98550	18.35	ug/l	99
49) 1,4-Dioxane	9.20	88	26232	370.83	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	715819	99.18	ug/l	100
52) Toluene	10.16	92	368845	19.60	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189097	19.17	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227727	20.13	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134376	19.12	ug/l	99
56) Ethyl methacrylate	10.43	69	153882	18.41	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225528	19.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	367147	92.33	ug/l	100
59) 2-Hexanone	10.75	43	452305	97.10	ug/l	99
60) Dibromochloromethane	10.90	129	150237	19.37	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129998	19.42	ug/l	98
64) Tetrachloroethene	10.63	164	143372	18.54	ug/l	98
65) Chlorobenzene	11.43	112	398261	19.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151272	19.48	ug/l	99
67) Ethyl Benzene	11.51	91	651099	19.46	ug/l	100
68) m/p-Xylenes	11.62	106	512585	40.06	ug/l	100
69) o-Xylene	11.95	106	240183	19.69	ug/l	99
70) Styrene	11.96	104	385956	18.39	ug/l	100
71) Bromoform	12.13	173	100512	19.52	ug/l #	100
73) Isopropylbenzene	12.25	105	638877	20.91	ug/l	98
74) N-amyl acetate	12.07	43	152076	19.13	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164891	21.94	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138331m	21.31	ug/l	
77) Bromobenzene	12.53	156	165083	19.90	ug/l	99
78) n-propylbenzene	12.59	91	712037	20.90	ug/l	100
79) 2-Chlorotoluene	12.67	91	436868	20.57	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	519662	21.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35783	20.34	ug/l	96
82) 4-Chlorotoluene	12.77	91	432249	20.59	ug/l	100
83) tert-Butylbenzene	12.99	119	440291	20.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	533975	21.75	ug/l	99
85) sec-Butylbenzene	13.17	105	584872	21.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	500815	21.30	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	279621	19.80	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268519	19.16	ug/l	100
89) n-Butylbenzene	13.62	91	367816	19.37	ug/l	99
90) Hexachloroethane	13.87	117	92139	19.49	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	274674	19.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20779	19.06	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104665	16.69	ug/l	100
94) Hexachlorobutadiene	15.01	225	81851	19.38	ug/l	99
95) Naphthalene	15.13	128	194355	15.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	107875	17.64	ug/l	99

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

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