

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056148.D
 Acq On : 8 Jun 2019 12:52
 Operator : JC/SP
 Sample : VN0608WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:35 AM

Quant Time: Jun 10 02:33:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	287768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	430629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153397	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	152622	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	7.59	113	135555	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.09	98	516018	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	166571	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	63400	20.267	ug/l	98
3) Chloromethane	2.06	50	66104	21.191	ug/l	100
4) Vinyl Chloride	2.18	62	66916	21.385	ug/l	98
5) Bromomethane	2.54	94	39257	19.861	ug/l	98
6) Chloroethane	2.69	64	37448	20.641	ug/l	98
7) Trichlorofluoromethane	3.01	101	82406	20.629	ug/l	98
8) Diethyl Ether	3.40	74	32863	20.005	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50334	20.743	ug/l	100
10) Methyl Iodide	3.94	142	61996	16.077	ug/l	99
11) Tert butyl alcohol	4.81	59	48084	96.704	ug/l	97
12) 1,1-Dichloroethene	3.72	96	50567	20.932	ug/l	95
13) Acrolein	3.60	56	10794	75.269	ug/l	96
14) Allyl chloride	4.31	41	70360	18.445	ug/l	97
15) Acrylonitrile	4.99	53	142901	118.061	ug/l	100
16) Acetone	3.82	43	118251	86.532	ug/l	99
17) Carbon Disulfide	4.04	76	96738	16.724	ug/l	99
18) Methyl Acetate	4.33	43	69836	25.736	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	164495	21.362	ug/l	100
20) Methylene Chloride	4.54	84	59703	21.206	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	53452	20.651	ug/l	96
22) Diisopropyl ether	5.96	45	165512	20.990	ug/l	97
23) Vinyl Acetate	5.90	43	627285	101.016	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96155	21.140	ug/l	99
25) 2-Butanone	6.84	43	183874	106.495	ug/l	98
26) 2,2-Dichloropropane	6.82	77	28626	8.065	ug/l	89
27) cis-1,2-Dichloroethene	6.83	96	63001	20.706	ug/l	94
28) Bromochloromethane	7.19	49	45241	21.032	ug/l	96
29) Tetrahydrofuran	7.22	42	126097	118.148	ug/l	100
30) Chloroform	7.37	83	98401	21.505	ug/l	99
31) Cyclohexane	7.65	56	90102	19.873	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	77261	20.220	ug/l	99
36) 1,1-Dichloropropene	7.79	75	72041	19.456	ug/l	98
37) Ethyl Acetate	6.94	43	73879	22.424	ug/l	100
38) Carbon Tetrachloride	7.77	117	64370	18.856	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84331	18.283	ug/l	97
40) Benzene	8.04	78	229988	20.450	ug/l	100
41) Methacrylonitrile	7.18	41	34062	22.471	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	75746	20.939	ug/l	99
43) Isopropyl Acetate	8.17	43	110371	20.673	ug/l #	92
44) Trichloroethene	8.83	130	64801	20.052	ug/l	99
45) 1,2-Dichloropropane	9.12	63	60004	20.830	ug/l	97
46) Dibromomethane	9.21	93	40071	21.272	ug/l	99
47) Bromodichloromethane	9.40	83	66322	19.426	ug/l	99
48) Methyl methacrylate	9.20	41	54199	20.751	ug/l	96
49) 1,4-Dioxane	9.20	88	23900	423.852	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	368602	110.406	ug/l	100
52) Toluene	10.15	92	143258	20.471	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	56541	15.846	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	70305	17.132	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	58485	21.098	ug/l	98
56) Ethyl methacrylate	10.43	69	83942	20.756	ug/l	98
57) 1,3-Dichloropropane	10.71	76	94235	20.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	137511	95.532	ug/l	100
59) 2-Hexanone	10.75	43	256800	106.126	ug/l	100
60) Dibromochloromethane	10.90	129	52002	18.627	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59602	21.032	ug/l	99
64) Tetrachloroethene	10.63	164	74215	22.441	ug/l	99
65) Chlorobenzene	11.43	112	153632	20.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	52231	19.895	ug/l	99
67) Ethyl Benzene	11.51	91	263696	19.945	ug/l	99
68) m/p-Xylenes	11.62	106	198957	39.392	ug/l	99
69) o-Xylene	11.95	106	98139	19.754	ug/l	100
70) Styrene	11.96	104	157693	19.977	ug/l	100
71) Bromoform	12.13	173	35067	17.779	ug/l #	100
73) Isopropylbenzene	12.25	105	260227	22.467	ug/l	100
74) N-amyl acetate	12.07	43	86367	21.122	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	79931	22.446	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69559m	24.644	ug/l	
77) Bromobenzene	12.53	156	70302	21.406	ug/l	95
78) n-propylbenzene	12.59	91	266282	20.519	ug/l	100
79) 2-Chlorotoluene	12.67	91	167863	22.021	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	211429	20.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	11112	13.110	ug/l #	74
82) 4-Chlorotoluene	12.77	91	154997	20.415	ug/l	100
83) tert-Butylbenzene	12.99	119	189787	22.199	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	202616	20.716	ug/l	98
85) sec-Butylbenzene	13.17	105	236027	20.537	ug/l	99
86) p-Isopropyltoluene	13.29	119	207621	20.186	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	104206	20.501	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	96821	19.801	ug/l	99
89) n-Butylbenzene	13.61	91	138918	18.232	ug/l	98
90) Hexachloroethane	13.87	117	29654	19.118	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	107281	20.905	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10275	20.173	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40007	17.209	ug/l	97
94) Hexachlorobutadiene	15.01	225	38407	20.595	ug/l	98
95) Naphthalene	15.13	128	110881	17.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47175	18.407	ug/l	99

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

