

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057559.D
 Acq On : 29 Aug 2019 19:36
 Operator : JC/SP
 Sample : VN0829WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 11:35:09 AM

Quant Time: Aug 30 12:56:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	697219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	629167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	334129	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	7.58	113	271331	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
50) Toluene-d8	10.09	98	1059548	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.40	95	328806	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	97370	19.591	ug/l	94
3) Chloromethane	2.06	50	91821	18.504	ug/l	96
4) Vinyl Chloride	2.19	62	140092	19.136	ug/l	97
5) Bromomethane	2.55	94	132775	21.062	ug/l	95
6) Chloroethane	2.70	64	93254	18.999	ug/l	95
7) Trichlorofluoromethane	3.01	101	304076	19.997	ug/l	99
8) Diethyl Ether	3.40	74	94388	18.682	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.74	101	174977	19.648	ug/l #	86
10) Methyl Iodide	3.93	142	269959	18.519	ug/l	94
11) Tert butyl alcohol	4.81	59	62010	86.856	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	165603	19.760	ug/l #	75
13) Acrolein	3.59	56	55667	91.061	ug/l	91
14) Allyl chloride	4.30	41	111801	18.225	ug/l #	85
15) Acrylonitrile	4.98	53	161314	91.257	ug/l	99
16) Acetone	3.81	43	242583	82.895	ug/l	93
17) Carbon Disulfide	4.03	76	203207	17.737	ug/l	98
18) Methyl Acetate	4.31	43	82835	18.993	ug/l #	86
19) Methyl tert-butyl Ether	5.03	73	286806	17.965	ug/l	95
20) Methylene Chloride	4.53	84	91333	16.847	ug/l #	83
21) trans-1,2-Dichloroethene	5.01	96	91547	17.463	ug/l	83
22) Diisopropyl ether	5.94	45	271135	19.717	ug/l #	90
23) Vinyl Acetate	5.88	43	1047680	97.497	ug/l #	89
24) 1,1-Dichloroethane	5.82	63	168746	18.636	ug/l	100
25) 2-Butanone	6.83	43	211587	91.601	ug/l #	81
26) 2,2-Dichloropropane	6.81	77	156222	16.898	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	120384	18.961	ug/l	80
28) Bromochloromethane	7.18	49	79794	20.964	ug/l #	58
29) Tetrahydrofuran	7.20	42	134839	93.344	ug/l #	73
30) Chloroform	7.36	83	205437	18.282	ug/l	99
31) Cyclohexane	7.64	56	161359	19.188	ug/l #	80
32) 1,1,1-Trichloroethane	7.56	97	190620	19.083	ug/l	95
36) 1,1-Dichloropropene	7.78	75	141389	18.746	ug/l	92
37) Ethyl Acetate	6.92	43	95108	19.032	ug/l #	92
38) Carbon Tetrachloride	7.76	117	159436	18.077	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	178301	18.580	ug/l	87
40) Benzene	8.03	78	434322	18.804	ug/l	99
41) Methacrylonitrile	7.17	41	45327	20.589	ug/l	91
42) 1,2-Dichloroethane	8.11	62	160005	19.463	ug/l	99
43) Isopropyl Acetate	8.16	43	175991	18.868	ug/l #	92
44) Trichloroethene	8.83	130	121442	19.040	ug/l	85
45) 1,2-Dichloropropane	9.11	63	103685	19.210	ug/l	100
46) Dibromomethane	9.20	93	78503	18.548	ug/l #	86
47) Bromodichloromethane	9.39	83	163297	18.715	ug/l	97
48) Methyl methacrylate	9.19	41	79932	18.145	ug/l #	76
49) 1,4-Dioxane	9.20	88	29561	367.709	ug/l #	80
51) 4-Methyl-2-Pentanone	9.98	43	481109	96.510	ug/l #	88
52) Toluene	10.15	92	286681	19.158	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152476	18.082	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	169345	18.542	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	111297	19.338	ug/l	93
56) Ethyl methacrylate	10.43	69	143261	18.701	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	175676	19.108	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	181127	100.780	ug/l #	85
59) 2-Hexanone	10.75	43	327591	95.181	ug/l	92
60) Dibromochloromethane	10.90	129	120867	18.411	ug/l	99
61) 1,2-Dibromoethane	11.00	107	114430	19.000	ug/l	100
64) Tetrachloroethene	10.63	164	122752	18.996	ug/l	89
65) Chlorobenzene	11.43	112	301327	19.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	115877	18.605	ug/l	99
67) Ethyl Benzene	11.51	91	544644	19.639	ug/l	97
68) m/p-Xylenes	11.62	106	411049	38.916	ug/l	94
69) o-Xylene	11.95	106	199410	18.800	ug/l	95
70) Styrene	11.96	104	312664	19.529	ug/l	96
71) Bromoform	12.13	173	73932	17.783	ug/l #	98
73) Isopropylbenzene	12.25	105	544417	19.309	ug/l	99
74) N-amyl acetate	12.07	43	139124	22.516	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.51	83	130711	21.645	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	102661m	18.938	ug/l	
77) Bromobenzene	12.53	156	123291	18.789	ug/l	74
78) n-propylbenzene	12.59	91	550318	19.571	ug/l	95
79) 2-Chlorotoluene	12.67	91	336046	19.186	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	446377	20.040	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	34178	19.321	ug/l	93
82) 4-Chlorotoluene	12.77	91	312552	19.233	ug/l	93
83) tert-Butylbenzene	12.99	119	391271	21.073	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	425225	20.873	ug/l	98
85) sec-Butylbenzene	13.17	105	494196	20.185	ug/l	97
86) p-Isopropyltoluene	13.29	119	430680	20.466	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	181707	19.067	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	177029	19.371	ug/l	97
89) n-Butylbenzene	13.62	91	324924	20.383	ug/l	98
90) Hexachloroethane	13.88	117	79453	17.942	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	178948	20.119	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19682	19.726	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51484	16.684	ug/l	98
94) Hexachlorobutadiene	15.01	225	58245	19.870	ug/l	97
95) Naphthalene	15.13	128	149537	16.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	50380	16.760	ug/l	100

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

