

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054836.D
 Acq On : 31 Mar 2019 7:03
 Operator : JC/SP
 Sample : VN0330WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:31:57 PM

Quant Time: Apr 01 02:09:04 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	376245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	296628	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	
35) Dibromofluoromethane	7.59	113	227674	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	831757	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	265403	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	75398	19.812	ug/l	98
3) Chloromethane	2.06	50	109456	20.801	ug/l	99
4) Vinyl Chloride	2.19	62	101152	21.406	ug/l	100
5) Bromomethane	2.58	94	37439	13.469	ug/l	96
6) Chloroethane	2.71	64	60168	22.802	ug/l	97
7) Trichlorofluoromethane	3.02	101	129115	22.224	ug/l	100
8) Diethyl Ether	3.41	74	44605	23.844	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62155	20.323	ug/l	92
10) Methyl Iodide	3.94	142	48309	11.538	ug/l #	86
11) Tert butyl alcohol	4.83	59	38314	144.989	ug/l	98
12) 1,1-Dichloroethene	3.73	96	67891	22.955	ug/l #	75
13) Acrolein	3.61	56	30330	128.387	ug/l	94
14) Allyl chloride	4.32	41	149324	20.498	ug/l #	91
15) Acrylonitrile	5.00	53	187715	127.801	ug/l	99
16) Acetone	3.82	43	138398	114.429	ug/l #	83
17) Carbon Disulfide	4.04	76	191535	19.967	ug/l	97
18) Methyl Acetate	4.33	43	87796	27.455	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	253905	24.543	ug/l	96
20) Methylene Chloride	4.54	84	97146	22.771	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	87129	22.429	ug/l	89
22) Diisopropyl ether	5.96	45	339201	23.543	ug/l #	94
23) Vinyl Acetate	5.90	43	1213684	121.047	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	181324	23.592	ug/l	99
25) 2-Butanone	6.85	43	230829	129.112	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	55405	10.285	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	101641	23.161	ug/l	93
28) Bromochloromethane	7.20	49	92046	23.950	ug/l #	71
29) Tetrahydrofuran	7.23	42	163157	131.395	ug/l #	84
30) Chloroform	7.37	83	174096	23.755	ug/l	96
31) Cyclohexane	7.65	56	161726	21.937	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	139854	23.027	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126533	19.854	ug/l	95
37) Ethyl Acetate	6.94	43	109355	23.399	ug/l #	94
38) Carbon Tetrachloride	7.78	117	118561	19.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120483	17.196	ug/l #	88
40) Benzene	8.04	78	386993	21.221	ug/l	98
41) Methacrylonitrile	7.18	41	58515	22.288	ug/l	91
42) 1,2-Dichloroethane	8.13	62	141583	21.744	ug/l	97
43) Isopropyl Acetate	8.17	43	176117	23.192	ug/l #	93
44) Trichloroethene	8.84	130	97429	20.581	ug/l	86
45) 1,2-Dichloropropane	9.12	63	108125	20.794	ug/l	97
46) Dibromomethane	9.21	93	63610	21.746	ug/l	87
47) Bromodichloromethane	9.40	83	129236	21.259	ug/l	94
48) Methyl methacrylate	9.20	41	89225	21.675	ug/l #	87
49) 1,4-Dioxane	9.21	88	21020	514.633	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	508379	119.072	ug/l	93
52) Toluene	10.16	92	224917	20.727	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	103787	18.149	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	129143	18.905	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	87900	21.785	ug/l	96
56) Ethyl methacrylate	10.43	69	117345	22.170	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	152860	22.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219003	102.431	ug/l #	88
59) 2-Hexanone	10.75	43	316507	115.803	ug/l	91
60) Dibromochloromethane	10.90	129	87671	21.450	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81350	21.097	ug/l	97
64) Tetrachloroethene	10.63	164	94702	21.217	ug/l	97
65) Chlorobenzene	11.43	112	234083	20.555	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	89077	20.897	ug/l	98
67) Ethyl Benzene	11.51	91	417566	20.319	ug/l	97
68) m/p-Xylenes	11.62	106	302460	39.771	ug/l	92
69) o-Xylene	11.95	106	148884	19.964	ug/l	93
70) Styrene	11.96	104	247628	20.768	ug/l	97
71) Bromoform	12.13	173	52055	20.845	ug/l #	98
73) Isopropylbenzene	12.25	105	396960	20.642	ug/l	98
74) N-amyl acetate	12.07	43	134949	22.525	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	107670	24.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	89709m	21.948	ug/l	
77) Bromobenzene	12.53	156	96184	20.724	ug/l	83
78) n-propylbenzene	12.59	91	422455	19.987	ug/l	96
79) 2-Chlorotoluene	12.67	91	267770	20.477	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	319471	20.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	17326	16.488	ug/l #	79
82) 4-Chlorotoluene	12.77	91	256345	20.183	ug/l	95
83) tert-Butylbenzene	12.99	119	273213	21.142	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	312530	20.790	ug/l	96
85) sec-Butylbenzene	13.17	105	343270	20.026	ug/l	96
86) p-Isopropyltoluene	13.29	119	287890	19.042	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156709	20.167	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	148674	19.508	ug/l	98
89) n-Butylbenzene	13.62	91	211035	17.109	ug/l	97
90) Hexachloroethane	13.87	117	49140	19.144	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	159586	20.349	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15416	23.449	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	65174	17.238	ug/l	97
94) Hexachlorobutadiene	15.01	225	41624	17.210	ug/l	98
95) Naphthalene	15.13	128	159629	18.825	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	69752	18.268	ug/l	98

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

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