

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054515.D
 Acq On : 21 Mar 2019 17:05
 Operator : JC/SP
 Sample : VN0321WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:32 PM

Quant Time: Mar 22 10:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	521846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	857349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	725269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	342346	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.59	113	267332	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.09	98	1003264	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	332455	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	104781	21.004	ug/l	99
3) Chloromethane	2.06	50	144013	21.217	ug/l	99
4) Vinyl Chloride	2.19	62	141572	20.775	ug/l	98
5) Bromomethane	2.58	94	82670	18.761	ug/l	100
6) Chloroethane	2.71	64	77818	19.038	ug/l	94
7) Trichlorofluoromethane	3.02	101	170079	20.551	ug/l	99
8) Diethyl Ether	3.41	74	62452	19.621	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	93401	19.203	ug/l	93
10) Methyl Iodide	3.95	142	133267	18.627	ug/l	94
11) Tert butyl alcohol	4.82	59	43822	111.513	ug/l	98
12) 1,1-Dichloroethene	3.73	96	94650	18.804	ug/l #	77
13) Acrolein	3.61	56	46922	86.522	ug/l	97
14) Allyl chloride	4.32	41	193141	20.377	ug/l #	93
15) Acrylonitrile	5.00	53	217918	111.354	ug/l	99
16) Acetone	3.82	43	160552	82.271	ug/l #	87
17) Carbon Disulfide	4.04	76	248348	18.415	ug/l	99
18) Methyl Acetate	4.33	43	98483	22.641	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	315755	21.495	ug/l	94
20) Methylene Chloride	4.54	84	118098	20.529	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	109395	21.284	ug/l #	82
22) Diisopropyl ether	5.96	45	411731	22.023	ug/l #	96
23) Vinyl Acetate	5.90	43	1451261	109.910	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	218475	21.704	ug/l	99
25) 2-Butanone	6.85	43	263771	105.514	ug/l	89
26) 2,2-Dichloropropane	6.82	77	137364	19.143	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	129107	21.060	ug/l	90
28) Bromochloromethane	7.20	49	107779	21.752	ug/l #	73
29) Tetrahydrofuran	7.22	42	188079	115.937	ug/l #	85
30) Chloroform	7.37	83	213315	21.714	ug/l	98
31) Cyclohexane	7.65	56	210423	20.728	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	174828	21.571	ug/l	96
36) 1,1-Dichloropropene	7.79	75	156781	19.558	ug/l	96
37) Ethyl Acetate	6.94	43	121199	21.258	ug/l	97
38) Carbon Tetrachloride	7.77	117	148040	19.004	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	177280	19.333	ug/l	90
40) Benzene	8.04	78	476326	20.779	ug/l	99
41) Methacrylonitrile	7.18	41	60646	17.442	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	169083	20.254	ug/l	98
43) Isopropyl Acetate	8.17	43	200692	20.843	ug/l #	95
44) Trichloroethene	8.84	130	128291	20.130	ug/l	99
45) 1,2-Dichloropropane	9.12	63	131771	21.408	ug/l	100
46) Dibromomethane	9.21	93	76503	20.834	ug/l	90
47) Bromodichloromethane	9.40	83	153961	20.202	ug/l	99
48) Methyl methacrylate	9.20	41	104341	19.965	ug/l	90
49) 1,4-Dioxane	9.20	88	23915	409.319	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	572206	107.227	ug/l	94
52) Toluene	10.16	92	275709	19.556	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	139906	18.858	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	176096	20.152	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	103498	20.422	ug/l	97
56) Ethyl methacrylate	10.43	69	137517	20.216	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	185291	21.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	270258	96.486	ug/l	90
59) 2-Hexanone	10.75	43	351814	100.931	ug/l	93
60) Dibromochloromethane	10.90	129	106860	19.815	ug/l	99
61) 1,2-Dibromoethane	11.01	107	103038	20.565	ug/l	97
64) Tetrachloroethene	10.63	164	120556	20.040	ug/l	95
65) Chlorobenzene	11.43	112	292614	19.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	108690	20.528	ug/l	98
67) Ethyl Benzene	11.51	91	523830	20.103	ug/l	98
68) m/p-Xylenes	11.62	106	386017	39.111	ug/l	96
69) o-Xylene	11.95	106	192208	19.941	ug/l	98
70) Styrene	11.96	104	308684	19.721	ug/l	97
71) Bromoform	12.13	173	60678	18.105	ug/l #	100
73) Isopropylbenzene	12.25	105	505550	20.807	ug/l	98
74) N-amyl acetate	12.07	43	153365	21.953	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	123193	22.212	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	106510m	22.261	ug/l	
77) Bromobenzene	12.53	156	123052	20.420	ug/l	88
78) n-propylbenzene	12.59	91	535293	20.318	ug/l	97
79) 2-Chlorotoluene	12.67	91	333704	20.311	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	406970	20.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23473	19.012	ug/l #	76
82) 4-Chlorotoluene	12.77	91	321001	20.157	ug/l	96
83) tert-Butylbenzene	12.99	119	359723	20.753	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	393911	20.160	ug/l	99
85) sec-Butylbenzene	13.17	105	438411	20.290	ug/l	98
86) p-Isopropyltoluene	13.29	119	389581	20.153	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	200034	20.032	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	189463	19.500	ug/l	97
89) n-Butylbenzene	13.62	91	291658	19.295	ug/l	98
90) Hexachloroethane	13.88	117	59094	19.694	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	196852	20.352	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17700	21.757	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91655	19.009	ug/l	99
94) Hexachlorobutadiene	15.01	225	56349	19.277	ug/l	97
95) Naphthalene	15.13	128	209706	19.499	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	94408	19.673	ug/l	100

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

