

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054738.D
 Acq On : 28 Mar 2019 12:28
 Operator : JC/SP
 Sample : VN0328WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:33 AM

Quant Time: Mar 29 09:02:24 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	404756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	672764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261582	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.59	113	211556	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.09	98	758831	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.40	95	256773	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90329	23.345	ug/l	99
3) Chloromethane	2.06	50	127485	24.216	ug/l	98
4) Vinyl Chloride	2.19	62	111258	21.049	ug/l	98
5) Bromomethane	2.58	94	65119	19.053	ug/l	98
6) Chloroethane	2.71	64	61545	19.413	ug/l	97
7) Trichlorofluoromethane	3.03	101	138625	21.596	ug/l	97
8) Diethyl Ether	3.41	74	46190	18.710	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	72329	19.173	ug/l	93
10) Methyl Iodide	3.95	142	101810	18.347	ug/l #	88
11) Tert butyl alcohol	4.82	59	32198	105.636	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	70830	18.143	ug/l #	77
13) Acrolein	3.61	56	27462	65.288	ug/l	98
14) Allyl chloride	4.32	41	165883	22.564	ug/l #	92
15) Acrylonitrile	5.00	53	177672	117.053	ug/l	100
16) Acetone	3.82	43	143326	94.690	ug/l #	85
17) Carbon Disulfide	4.04	76	216464	20.694	ug/l	99
18) Methyl Acetate	4.33	43	78445	23.252	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	248933	21.848	ug/l	95
20) Methylene Chloride	4.55	84	103363	23.166	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	91022	22.833	ug/l	89
22) Diisopropyl ether	5.96	45	346029	23.863	ug/l #	92
23) Vinyl Acetate	5.90	43	1218772	119.004	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	183160	23.459	ug/l	97
25) 2-Butanone	6.85	43	221955	114.471	ug/l #	86
26) 2,2-Dichloropropane	6.83	77	125558	22.559	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105281	22.141	ug/l	87
28) Bromochloromethane	7.19	49	85111	22.146	ug/l #	73
29) Tetrahydrofuran	7.22	42	147992	117.617	ug/l #	83
30) Chloroform	7.37	83	174799	22.941	ug/l	98
31) Cyclohexane	7.65	56	179716	23.020	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	147933	23.533	ug/l	96
36) 1,1-Dichloropropene	7.79	75	131144	20.848	ug/l	95
37) Ethyl Acetate	6.94	43	97942	21.892	ug/l	95
38) Carbon Tetrachloride	7.77	117	125525	20.535	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	147032	20.434	ug/l #	87
40) Benzene	8.04	78	392313	21.810	ug/l	99
41) Methacrylonitrile	7.18	41	49631m	18.190	ug/l	
42) 1,2-Dichloroethane	8.13	62	142931	21.819	ug/l	98
43) Isopropyl Acetate	8.17	43	167166	22.124	ug/l #	92
44) Trichloroethene	8.84	130	102940	20.584	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110865	22.953	ug/l	99
46) Dibromomethane	9.21	93	63605	22.074	ug/l	88
47) Bromodichloromethane	9.40	83	131146	21.930	ug/l	95
48) Methyl methacrylate	9.20	41	84876	20.696	ug/l	88
49) 1,4-Dioxane	9.21	88	18994	414.289	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	467389	111.616	ug/l	93
52) Toluene	10.16	92	236216	21.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	117461	20.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	148452	21.650	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	86377	21.720	ug/l	97
56) Ethyl methacrylate	10.43	69	109804	20.571	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	154001	22.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	197561	89.884	ug/l	89
59) 2-Hexanone	10.75	43	291127	106.436	ug/l	91
60) Dibromochloromethane	10.90	129	87420	20.658	ug/l	100
61) 1,2-Dibromoethane	11.01	107	82151	20.895	ug/l	99
64) Tetrachloroethene	10.63	164	98044	20.310	ug/l	97
65) Chlorobenzene	11.43	112	242718	20.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	90428	21.284	ug/l	98
67) Ethyl Benzene	11.51	91	440781	21.081	ug/l	98
68) m/p-Xylenes	11.62	106	327768	41.386	ug/l	95
69) o-Xylene	11.95	106	158434	20.484	ug/l	93
70) Styrene	11.96	104	262071	20.865	ug/l	96
71) Bromoform	12.13	173	52045	19.199	ug/l #	99
73) Isopropylbenzene	12.25	105	421192	20.671	ug/l	98
74) N-amyl acetate	12.07	43	130858	22.336	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	104015	22.363	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98132m	24.457	ug/l	
77) Bromobenzene	12.53	156	101354	20.057	ug/l	83
78) n-propylbenzene	12.59	91	472213	21.372	ug/l	96
79) 2-Chlorotoluene	12.67	91	284999	20.685	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	353485	21.167	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20896	19.986	ug/l #	81
82) 4-Chlorotoluene	12.77	91	284529	21.305	ug/l	95
83) tert-Butylbenzene	12.99	119	300998	20.707	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	344686	21.036	ug/l	97
85) sec-Butylbenzene	13.17	105	383647	21.172	ug/l	96
86) p-Isopropyltoluene	13.29	119	336825	20.777	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	171325	20.458	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162318	19.921	ug/l	96
89) n-Butylbenzene	13.61	91	264850	20.893	ug/l	96
90) Hexachloroethane	13.87	117	53339	21.196	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	170356	21.002	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15256	22.362	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74815	18.502	ug/l	99
94) Hexachlorobutadiene	15.01	225	52245	21.588	ug/l	98
95) Naphthalene	15.13	128	169002	18.738	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	76389	18.981	ug/l	98

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

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