

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053542.D
 Acq On : 28 Jan 2019 13:41
 Operator : JC/SP
 Sample : VN0128WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:38 AM

Quant Time: Jan 29 07:19:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	722659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	981984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	385874	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	7.59	113	359525	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	10.09	98	1318690	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.40	95	441683	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	109221	18.798	ug/l	100
3) Chloromethane	2.06	50	160921	19.371	ug/l	99
4) Vinyl Chloride	2.19	62	155481	19.417	ug/l	100
5) Bromomethane	2.57	94	98843	17.990	ug/l	99
6) Chloroethane	2.71	64	95482	19.722	ug/l	99
7) Trichlorofluoromethane	3.02	101	218201	20.832	ug/l	99
8) Diethyl Ether	3.41	74	89110	22.652	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	134482	20.274	ug/l	99
10) Methyl Iodide	3.96	142	209298	20.647	ug/l	100
11) Tert butyl alcohol	4.78	59	61214	175.142	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	133433	20.739	ug/l	99
13) Acrolein	3.61	56	53378	93.885	ug/l	98
14) Allyl chloride	4.33	41	225519	21.579	ug/l	99
15) Acrylonitrile	4.99	53	290376	126.241	ug/l	99
16) Acetone	3.82	43	194006	115.767	ug/l	100
17) Carbon Disulfide	4.06	76	349932	17.985	ug/l	99
18) Methyl Acetate	4.33	43	152234	26.963	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	405206	23.703	ug/l	100
20) Methylene Chloride	4.55	84	160933	21.034	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	142940	20.780	ug/l	99
22) Diisopropyl ether	5.95	45	459171	21.046	ug/l	96
23) Vinyl Acetate	5.90	43	1601778	119.436	ug/l	98
24) 1,1-Dichloroethane	5.85	63	280702	21.764	ug/l	99
25) 2-Butanone	6.84	43	321016	124.306	ug/l	99
26) 2,2-Dichloropropane	6.83	77	198495	20.384	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	170840	21.719	ug/l	99
28) Bromochloromethane	7.20	49	118926	20.931	ug/l	99
29) Tetrahydrofuran	7.21	42	222034	132.069	ug/l	99
30) Chloroform	7.37	83	279266	22.224	ug/l	99
31) Cyclohexane	7.66	56	245696	19.438	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	228711	21.456	ug/l	100
36) 1,1-Dichloropropene	7.79	75	203724	19.606	ug/l	100
37) Ethyl Acetate	6.93	43	146574	24.518	ug/l	100
38) Carbon Tetrachloride	7.78	117	200156	20.346	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	228423	17.785	ug/l	98
40) Benzene	8.04	78	636902	20.170	ug/l	100
41) Methacrylonitrile	7.18	41	84612	24.168	ug/l	97
42) 1,2-Dichloroethane	8.12	62	198110	21.536	ug/l	99
43) Isopropyl Acetate	8.17	43	280519	26.096	ug/l #	84
44) Trichloroethene	8.84	130	181486	20.725	ug/l	97
45) 1,2-Dichloropropane	9.12	63	169622	20.281	ug/l	99
46) Dibromomethane	9.21	93	101163	21.053	ug/l	99
47) Bromodichloromethane	9.40	83	210102	20.791	ug/l	99
48) Methyl methacrylate	9.20	41	117366	21.146	ug/l	93
49) 1,4-Dioxane	9.20	88	34758	641.223	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	685792	116.866	ug/l	98
52) Toluene	10.16	92	387363	19.760	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	211989	20.696	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	248447	20.691	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	149471	22.116	ug/l	98
56) Ethyl methacrylate	10.43	69	190223	21.074	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249462	21.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	522335	110.472	ug/l	100
59) 2-Hexanone	10.75	43	450908	109.459	ug/l	100
60) Dibromochloromethane	10.90	129	158667	20.698	ug/l	100
61) 1,2-Dibromoethane	11.01	107	143619	21.011	ug/l	99
64) Tetrachloroethene	10.63	164	160864	17.383	ug/l	98
65) Chlorobenzene	11.44	112	423250	20.363	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150980	20.880	ug/l	99
67) Ethyl Benzene	11.51	91	706596	19.947	ug/l	99
68) m/p-Xylenes	11.62	106	541411	40.482	ug/l	99
69) o-Xylene	11.95	106	261223	20.101	ug/l	99
70) Styrene	11.97	104	429368	20.357	ug/l	99
71) Bromoform	12.13	173	106226	21.339	ug/l #	99
73) Isopropylbenzene	12.25	105	692459	20.528	ug/l	100
74) N-amyl acetate	12.07	43	193924	21.566	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	180234	25.477	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	139857m	23.040	ug/l	
77) Bromobenzene	12.53	156	184986	20.812	ug/l	99
78) n-propylbenzene	12.59	91	785547	20.288	ug/l	100
79) 2-Chlorotoluene	12.68	91	469794	20.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	570499	20.787	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48233	21.624	ug/l	98
82) 4-Chlorotoluene	12.77	91	478900	20.461	ug/l	99
83) tert-Butylbenzene	12.99	119	504899	20.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	577659	20.874	ug/l	99
85) sec-Butylbenzene	13.17	105	684746	20.597	ug/l	100
86) p-Isopropyltoluene	13.29	119	591947	20.507	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	318470	20.369	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	314862	20.076	ug/l	100
89) n-Butylbenzene	13.62	91	498048	20.242	ug/l	100
90) Hexachloroethane	13.88	117	92591	20.453	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	314212	21.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26271	29.287	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	185193	30.331	ug/l	98
94) Hexachlorobutadiene	15.01	225	102394	22.819	ug/l	98
95) Naphthalene	15.13	128	438888	40.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	177305	39.102	ug/l	99

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

