

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\
 Data File : VN058991.D
 Acq On : 28 Oct 2019 12:44
 Operator : JC/SP
 Sample : VN1028WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:08 PM

Quant Time: Oct 29 13:57:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	382622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	271158	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.57	113	201464	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.08	98	761697	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.40	95	275334	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85392	17.900	ug/l	100
3) Chloromethane	2.04	50	110204	18.652	ug/l	99
4) Vinyl Chloride	2.17	62	113847	19.406	ug/l	99
5) Bromomethane	2.55	94	67826	18.463	ug/l	92
6) Chloroethane	2.69	64	69382	18.443	ug/l	98
7) Trichlorofluoromethane	3.00	101	138698	19.108	ug/l	100
8) Diethyl Ether	3.39	74	51402	20.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	79902	19.856	ug/l	99
10) Methyl Iodide	3.93	142	87534	16.539	ug/l	99
11) Tert butyl alcohol	4.76	59	92369	99.189	ug/l	99
12) 1,1-Dichloroethene	3.72	96	75710	20.072	ug/l	96
13) Acrolein	3.59	56	37710	58.934	ug/l	95
14) Allyl chloride	4.30	41	153092	20.058	ug/l	97
15) Acrylonitrile	4.96	53	246285	105.139	ug/l	99
16) Acetone	3.79	43	251152	90.571	ug/l	97
17) Carbon Disulfide	4.03	76	214717	17.671	ug/l	98
18) Methyl Acetate	4.30	43	137173	21.758	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	275200	20.836	ug/l	95
20) Methylene Chloride	4.53	84	91568	19.339	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	80302	19.278	ug/l	95
22) Diisopropyl ether	5.92	45	315413	21.127	ug/l	97
23) Vinyl Acetate	5.87	43	1296623	108.101	ug/l	99
24) 1,1-Dichloroethane	5.82	63	174095	20.111	ug/l	99
25) 2-Butanone	6.81	43	352327	97.878	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148426	19.823	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	96635	20.308	ug/l	99
28) Bromochloromethane	7.18	49	59649	20.690	ug/l	99
29) Tetrahydrofuran	7.19	42	228412	103.728	ug/l	99
30) Chloroform	7.35	83	167944	19.341	ug/l	98
31) Cyclohexane	7.64	56	152761	18.942	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	144536	19.747	ug/l	100
36) 1,1-Dichloropropene	7.78	75	121869	19.456	ug/l	99
37) Ethyl Acetate	6.91	43	141771	20.772	ug/l	99
38) Carbon Tetrachloride	7.75	117	125951	19.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136359	19.387	ug/l	99
40) Benzene	8.02	78	375181	20.397	ug/l	98
41) Methacrylonitrile	7.16	41	62116m	20.434	ug/l	
42) 1,2-Dichloroethane	8.11	62	139450	19.681	ug/l	100
43) Isopropyl Acetate	8.15	43	224340	20.495	ug/l	100
44) Trichloroethene	8.82	130	89656	20.009	ug/l	95
45) 1,2-Dichloropropane	9.10	63	104482	20.715	ug/l	100
46) Dibromomethane	9.20	93	63949	20.055	ug/l	98
47) Bromodichloromethane	9.39	83	134407	20.452	ug/l	98
48) Methyl methacrylate	9.19	41	98660	19.866	ug/l	95
49) 1,4-Dioxane	9.19	88	30907	379.108	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	706010	110.424	ug/l	100
52) Toluene	10.15	92	223161	20.459	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	144962	19.925	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	158310	20.368	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	92450	20.574	ug/l	98
56) Ethyl methacrylate	10.43	69	137053	19.493	ug/l	97
57) 1,3-Dichloropropane	10.70	76	160176	20.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	280459	91.661	ug/l	100
59) 2-Hexanone	10.75	43	517823	104.811	ug/l	100
60) Dibromochloromethane	10.90	129	97994	20.261	ug/l	99
61) 1,2-Dibromoethane	11.00	107	92925	20.207	ug/l	99
64) Tetrachloroethene	10.63	164	78924	20.179	ug/l	96
65) Chlorobenzene	11.43	112	236650	20.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88784	20.693	ug/l	99
67) Ethyl Benzene	11.51	91	424839	21.300	ug/l	97
68) m/p-Xylenes	11.62	106	314279	42.489	ug/l	100
69) o-Xylene	11.95	106	146549	20.774	ug/l	99
70) Styrene	11.97	104	238584	19.408	ug/l	100
71) Bromoform	12.13	173	68668	20.639	ug/l #	98
73) Isopropylbenzene	12.25	105	405888	21.623	ug/l	99
74) N-amyl acetate	12.07	43	177921	20.907	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	141336	21.413	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	125811m	21.135	ug/l	
77) Bromobenzene	12.53	156	97684	21.113	ug/l	99
78) n-propylbenzene	12.59	91	474056	21.365	ug/l	100
79) 2-Chlorotoluene	12.68	91	286094	21.067	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	340694	21.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45950	20.109	ug/l	97
82) 4-Chlorotoluene	12.78	91	292086	21.047	ug/l	100
83) tert-Butylbenzene	13.00	119	292204	21.667	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	339581	21.830	ug/l	98
85) sec-Butylbenzene	13.17	105	389704	21.673	ug/l	99
86) p-Isopropyltoluene	13.29	119	344400	21.708	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	174566	21.101	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	171475	20.702	ug/l	99
89) n-Butylbenzene	13.62	91	296511	20.345	ug/l	99
90) Hexachloroethane	13.88	117	68974	21.455	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	175269	21.555	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28629	19.177	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	91885	19.566	ug/l	99
94) Hexachlorobutadiene	15.01	225	55252	20.965	ug/l	98
95) Naphthalene	15.13	128	249304	18.416	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	93937	20.342	ug/l	98

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

