

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059668.D
 Acq On : 19 Dec 2019 13:57
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:27 AM

Quant Time: Dec 20 03:17:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	287107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	176459	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	7.57	113	137295	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.08	98	420754	42.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.54%	
62) 4-Bromofluorobenzene	12.40	95	144415	39.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	56583	15.252	ug/l	97
3) Chloromethane	2.04	50	69145	11.744	ug/l	100
4) Vinyl Chloride	2.17	62	82219	14.727	ug/l	99
5) Bromomethane	2.55	94	49032	15.107	ug/l	100
6) Chloroethane	2.68	64	50489	16.091	ug/l	98
7) Trichlorofluoromethane	3.00	101	93908	15.330	ug/l	100
8) Diethyl Ether	3.38	74	37917	19.811	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	53827	17.437	ug/l	95
10) Methyl Iodide	3.92	142	78088	19.108	ug/l	95
11) Tert butyl alcohol	4.76	59	56866	74.244	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	52967	17.589	ug/l	95
13) Acrolein	3.58	56	31898	58.464	ug/l	96
14) Allyl chloride	4.29	41	121077	19.586	ug/l	88
15) Acrylonitrile	4.95	53	168954	91.194	ug/l	97
16) Acetone	3.79	43	144334	58.189	ug/l	93
17) Carbon Disulfide	4.02	76	181915	18.094	ug/l	99
18) Methyl Acetate	4.29	43	105693	20.335	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	185794	17.474	ug/l	98
20) Methylene Chloride	4.52	84	66179	18.474	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	57482	17.123	ug/l	97
22) Diisopropyl ether	5.92	45	213406	18.725	ug/l	97
23) Vinyl Acetate	5.86	43	801736	89.640	ug/l	99
24) 1,1-Dichloroethane	5.82	63	110540	17.122	ug/l	98
25) 2-Butanone	6.81	43	252255	85.046	ug/l	100
26) 2,2-Dichloropropane	6.80	77	103744	17.681	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	71589	19.245	ug/l	99
28) Bromochloromethane	7.17	49	54034	20.201	ug/l	99
29) Tetrahydrofuran	7.18	42	174423	96.516	ug/l	98
30) Chloroform	7.35	83	121716	19.154	ug/l	98
31) Cyclohexane	7.63	56	115996	19.015	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	97400	17.001	ug/l	98
36) 1,1-Dichloropropene	7.77	75	88200	21.050	ug/l	99
37) Ethyl Acetate	6.90	43	105645	21.693	ug/l	99
38) Carbon Tetrachloride	7.75	117	84954	19.539	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	96009	20.201	ug/l	98
40) Benzene	8.02	78	269042	21.972	ug/l	100
41) Methacrylonitrile	7.14	41	42786	21.288	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	82216	17.532	ug/l	96
43) Isopropyl Acetate	8.14	43	132696	17.526	ug/l	95
44) Trichloroethene	8.82	130	63266	19.725	ug/l	99
45) 1,2-Dichloropropane	9.10	63	68839	20.819	ug/l	98
46) Dibromomethane	9.19	93	43691	20.168	ug/l	95
47) Bromodichloromethane	9.39	83	92522	21.422	ug/l	100
48) Methyl methacrylate	9.18	41	60321	17.560	ug/l #	85
49) 1,4-Dioxane	9.19	88	19027	386.508	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	383009	84.844	ug/l	100
52) Toluene	10.14	92	122956	16.342	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	82834	16.583	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	88175	16.793	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	51201	17.343	ug/l	100
56) Ethyl methacrylate	10.42	69	71930	16.412	ug/l	99
57) 1,3-Dichloropropane	10.70	76	88644	17.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	135236	97.018	ug/l	100
59) 2-Hexanone	10.74	43	268095	75.353	ug/l	100
60) Dibromochloromethane	10.90	129	53106	16.481	ug/l	100
61) 1,2-Dibromoethane	11.00	107	51455	16.434	ug/l	98
64) Tetrachloroethene	10.62	164	51947	17.788	ug/l	99
65) Chlorobenzene	11.43	112	129447	19.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	50762	19.716	ug/l	100
67) Ethyl Benzene	11.51	91	236638	19.341	ug/l	100
68) m/p-Xylenes	11.62	106	167321	37.034	ug/l	100
69) o-Xylene	11.94	106	80443	18.712	ug/l	96
70) Styrene	11.96	104	128989	18.675	ug/l	99
71) Bromoform	12.12	173	37597	19.426	ug/l #	98
73) Isopropylbenzene	12.25	105	218579	19.787	ug/l	99
74) N-amyl acetate	12.07	43	96687	19.081	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	70139	20.016	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	68633m	19.702	ug/l	
77) Bromobenzene	12.52	156	52292	19.249	ug/l	98
78) n-propylbenzene	12.59	91	259210	19.851	ug/l	100
79) 2-Chlorotoluene	12.67	91	156742	19.851	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	187907	20.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26134	18.529	ug/l	96
82) 4-Chlorotoluene	12.77	91	160305	19.828	ug/l	99
83) tert-Butylbenzene	12.99	119	154553	19.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	184821	19.883	ug/l	100
85) sec-Butylbenzene	13.17	105	210151	19.956	ug/l	99
86) p-Isopropyltoluene	13.29	119	183285	19.217	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	92578	18.533	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93771	18.618	ug/l	100
89) n-Butylbenzene	13.61	91	165440	18.501	ug/l	99
90) Hexachloroethane	13.87	117	35900	19.913	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	91305	18.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15294	16.715	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53643	16.862	ug/l	99
94) Hexachlorobutadiene	15.01	225	28834	17.765	ug/l	99
95) Naphthalene	15.12	128	156048	16.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	54594	16.968	ug/l	100

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

