

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054349.D
 Acq On : 16 Mar 2019 20:52
 Operator : JC/SP
 Sample : VN0316WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 11:31:20 AM

Quant Time: Mar 18 07:27:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1283011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1952453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1698639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	756581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	693553	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.59	113	646987	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.09	98	2304321	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	772653	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250678	20.616	ug/l	99
3) Chloromethane	2.06	50	230249	19.493	ug/l	98
4) Vinyl Chloride	2.19	62	272180	20.161	ug/l	100
5) Bromomethane	2.57	94	169620	18.141	ug/l	96
6) Chloroethane	2.71	64	161855	19.815	ug/l	96
7) Trichlorofluoromethane	3.02	101	351362	19.575	ug/l	99
8) Diethyl Ether	3.41	74	178704	21.848	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	276481	20.556	ug/l	99
10) Methyl Iodide	3.94	142	391685	21.389	ug/l	100
11) Tert butyl alcohol	4.82	59	83660	89.563	ug/l	100
12) 1,1-Dichloroethene	3.73	96	282893	21.224	ug/l	98
13) Acrolein	3.61	56	77703	87.786	ug/l	99
14) Allyl chloride	4.32	41	331358	19.376	ug/l	98
15) Acrylonitrile	5.00	53	422978	110.237	ug/l	98
16) Acetone	3.82	43	309223	79.261	ug/l	99
17) Carbon Disulfide	4.04	76	537134	16.075	ug/l	99
18) Methyl Acetate	4.33	43	200146	25.357	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	707227	21.406	ug/l	98
20) Methylene Chloride	4.55	84	276043	21.549	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	262482	20.553	ug/l	97
22) Diisopropyl ether	5.96	45	740602	21.698	ug/l	98
23) Vinyl Acetate	5.90	43	2528777	100.485	ug/l	100
24) 1,1-Dichloroethane	5.85	63	468293	21.368	ug/l	99
25) 2-Butanone	6.85	43	477433	104.267	ug/l	98
26) 2,2-Dichloropropane	6.82	77	283163	14.693	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	308598	21.660	ug/l	96
28) Bromochloromethane	7.20	49	199174	22.231	ug/l	96
29) Tetrahydrofuran	7.22	42	311208	105.706	ug/l	99
30) Chloroform	7.37	83	498121	21.782	ug/l	99
31) Cyclohexane	7.65	56	408837	19.197	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	419013	20.288	ug/l	99
36) 1,1-Dichloropropene	7.79	75	355888	19.793	ug/l	99
37) Ethyl Acetate	6.94	43	215422	20.851	ug/l	99
38) Carbon Tetrachloride	7.77	117	357776	18.974	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	404280	18.274	ug/l	99
40) Benzene	8.04	78	1101964	21.417	ug/l	98
41) Methacrylonitrile	7.18	41	123315	20.905	ug/l	98
42) 1,2-Dichloroethane	8.12	62	366060	21.073	ug/l	98
43) Isopropyl Acetate	8.17	43	348141	19.198	ug/l	99
44) Trichloroethene	8.83	130	327852	20.512	ug/l	99
45) 1,2-Dichloropropane	9.12	63	277755	21.740	ug/l	99
46) Dibromomethane	9.21	93	186499	21.605	ug/l	98
47) Bromodichloromethane	9.40	83	349002	20.167	ug/l	99
48) Methyl methacrylate	9.20	41	191424	20.800	ug/l	98
49) 1,4-Dioxane	9.20	88	56964	437.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1026947	107.009	ug/l	98
52) Toluene	10.16	92	683476	20.950	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	301433	16.610	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	378397	18.764	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258700	21.717	ug/l	98
56) Ethyl methacrylate	10.43	69	296685	20.887	ug/l	98
57) 1,3-Dichloropropane	10.71	76	420948	21.611	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	545286	99.359	ug/l	99
59) 2-Hexanone	10.75	43	637161	99.780	ug/l	99
60) Dibromochloromethane	10.90	129	257035	19.170	ug/l	99
61) 1,2-Dibromoethane	11.01	107	253252	20.920	ug/l	99
64) Tetrachloroethene	10.63	164	334307	20.356	ug/l	100
65) Chlorobenzene	11.43	112	786278	21.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	278977	20.590	ug/l	98
67) Ethyl Benzene	11.51	91	1292574	20.906	ug/l	100
68) m/p-Xylenes	11.62	106	1002850	41.500	ug/l	100
69) o-Xylene	11.95	106	500410	21.243	ug/l	99
70) Styrene	11.96	104	775006	20.977	ug/l	99
71) Bromoform	12.13	173	157127	16.848	ug/l #	100
73) Isopropylbenzene	12.25	105	1301703	21.505	ug/l	100
74) N-amyl acetate	12.07	43	275341	20.493	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	288480	22.369	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	251096m	22.569	ug/l	
77) Bromobenzene	12.53	156	348957	21.786	ug/l	97
78) n-propylbenzene	12.59	91	1385406	21.093	ug/l	100
79) 2-Chlorotoluene	12.68	91	849943	21.522	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1056230	20.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44456	13.659	ug/l #	81
82) 4-Chlorotoluene	12.77	91	825896	20.944	ug/l	99
83) tert-Butylbenzene	12.99	119	974027	21.018	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1048572	21.228	ug/l	100
85) sec-Butylbenzene	13.17	105	1205939	20.065	ug/l	99
86) p-Isopropyltoluene	13.29	119	1037019	19.668	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	568396	21.060	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	558143	21.051	ug/l	99
89) n-Butylbenzene	13.62	91	743682	18.563	ug/l	99
90) Hexachloroethane	13.88	117	147994	16.951	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	576804	21.861	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38359	19.221	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	256292	17.796	ug/l	98
94) Hexachlorobutadiene	15.01	225	167584	16.675	ug/l	99
95) Naphthalene	15.13	128	548872	18.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	268940	19.184	ug/l	99

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

