

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058325.D
 Acq On : 24 Sep 2019 4:05
 Operator : JC/SP
 Sample : K5002-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:51 AM

Quant Time: Sep 25 12:15:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	400707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	732573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	315292	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.57	113	227051	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.08	98	874282	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.41	95	321083	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130508	39.647	ug/l	98
3) Chloromethane	2.04	50	129138	50.915	ug/l	100
4) Vinyl Chloride	2.17	62	141811	51.131	ug/l	99
5) Bromomethane	2.54	94	72693	49.500	ug/l	96
6) Chloroethane	2.68	64	97666	55.132	ug/l	95
7) Trichlorofluoromethane	3.00	101	202205	45.004	ug/l	98
8) Diethyl Ether	3.39	74	104345	50.685	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	140046	43.232	ug/l	97
10) Methyl Iodide	3.93	142	140560	51.782	ug/l	100
11) Tert butyl alcohol	4.76	59	183625	276.593	ug/l	100
12) 1,1-Dichloroethene	3.72	96	124965	50.838	ug/l	94
13) Acrolein	3.59	56	35578	361.621	ug/l	97
14) Allyl chloride	4.30	41	230177	43.423	ug/l	91
15) Acrylonitrile	4.96	53	548960	310.363	ug/l	99
16) Acetone	3.80	43	469190	247.667	ug/l	99
17) Carbon Disulfide	4.03	76	155578	44.987	ug/l	99
18) Methyl Acetate	4.30	43	263209	52.801	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	679823	55.641	ug/l	100
20) Methylene Chloride	4.53	84	183217	55.263	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	134694	50.283	ug/l	95
22) Diisopropyl ether	5.93	45	743303	55.202	ug/l	98
23) Vinyl Acetate	5.87	43	2442933	265.146	ug/l	100
24) 1,1-Dichloroethane	5.83	63	406471	56.560	ug/l	99
25) 2-Butanone	6.82	43	750010	290.595	ug/l	100
26) 2,2-Dichloropropane	6.81	77	190565	31.256	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	214177	52.707	ug/l	95
28) Bromochloromethane	7.18	49	207803	61.124	ug/l #	97
29) Tetrahydrofuran	7.19	42	470810	296.146	ug/l	99
30) Chloroform	7.36	83	414640	53.601	ug/l	100
31) Cyclohexane	7.64	56	215802	46.275	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	313925	53.307	ug/l	99
36) 1,1-Dichloropropene	7.78	75	225894	42.759	ug/l	99
37) Ethyl Acetate	6.91	43	272929	49.782	ug/l	99
38) Carbon Tetrachloride	7.76	117	244161	45.977	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	191503	37.509	ug/l	97
40) Benzene	8.03	78	769121	47.665	ug/l	99
41) Methacrylonitrile	7.16	41	132327m	47.949	ug/l	
42) 1,2-Dichloroethane	8.11	62	341679	50.464	ug/l	100
43) Isopropyl Acetate	8.15	43	533949	52.147	ug/l	98
44) Trichloroethene	8.83	130	183125	46.377	ug/l	100
45) 1,2-Dichloropropane	9.11	63	247934	51.451	ug/l	98
46) Dibromomethane	9.20	93	148410	50.656	ug/l	99
47) Bromodichloromethane	9.40	83	326075	53.126	ug/l	99
48) Methyl methacrylate	9.19	41	255527	54.963	ug/l	99
49) 1,4-Dioxane	9.19	88	77226	1011.759	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1711341	314.665	ug/l	99
52) Toluene	10.15	92	484970	47.957	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	315863	50.239	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	332904	47.959	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	241905	53.904	ug/l	99
56) Ethyl methacrylate	10.43	69	356309	55.029	ug/l	100
57) 1,3-Dichloropropane	10.71	76	400176	51.871	ug/l	100
59) 2-Hexanone	10.75	43	1232173	305.053	ug/l	99
60) Dibromochloromethane	10.90	129	240289	55.656	ug/l	99
61) 1,2-Dibromoethane	11.00	107	218743	52.596	ug/l	100
64) Tetrachloroethene	10.63	164	134915	40.986	ug/l	100
65) Chlorobenzene	11.44	112	569740	47.969	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	225587	52.380	ug/l	99
67) Ethyl Benzene	11.51	91	1009007	49.579	ug/l	99
68) m/p-Xylenes	11.63	106	730509	95.303	ug/l	98
69) o-Xylene	11.95	106	377010	50.021	ug/l	98
70) Stvrene	11.97	104	661883	50.968	ug/l	99
71) Bromoform	12.13	173	152704	47.981	ug/l #	99
73) Isopropylbenzene	12.25	105	1035716	49.931	ug/l	100
74) N-amyl acetate	12.07	43	454656	52.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	390627	56.235	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	310296m	52.319	ug/l	
77) Bromobenzene	12.53	156	250388	47.988	ug/l	97
78) n-propylbenzene	12.60	91	1206048	51.166	ug/l	99
79) 2-Chlorotoluene	12.68	91	740610	50.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	895177	51.034	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	85558	43.752	ug/l	97
82) 4-Chlorotoluene	12.78	91	771638	49.831	ug/l	100
83) tert-Butylbenzene	13.00	119	780027	49.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	923371	52.898	ug/l	99
85) sec-Butylbenzene	13.18	105	1052870	51.472	ug/l	99
86) p-Isopropyltoluene	13.30	119	933414	51.329	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	478238	50.182	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	475351	48.857	ug/l	100
89) n-Butylbenzene	13.62	91	831090	48.205	ug/l	99
90) Hexachloroethane	13.88	117	155206	48.747	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486544	50.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74356	59.458	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	289025	47.319	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	126432	42.827	ug/l	96
95) Naphthalene	15.14	128	867637	54.812	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283780	49.156	ug/l	99

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

