

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057290.D
 Acq On : 14 Aug 2019 16:39
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:14 AM

Quant Time: Aug 15 08:22:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	850535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1273544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1101494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	49207	5.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.48%	
35) Dibromofluoromethane	7.58	113	45460	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
50) Toluene-d8	10.08	98	143684	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	51113	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	39947	5.605	ug/l	96
3) Chloromethane	2.06	50	46837	5.791	ug/l	98
4) Vinyl Chloride	2.18	62	45681	5.829	ug/l	95
5) Bromomethane	2.53	94	34879m	6.316	ug/l	
6) Chloroethane	2.68	64	29970	5.900	ug/l	94
7) Trichlorofluoromethane	3.01	101	70217	5.671	ug/l	100
8) Diethyl Ether	3.40	74	26339	5.834	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39906	5.372	ug/l	97
10) Methyl Iodide	3.95	142	59273	5.146	ug/l	98
11) Tert butyl alcohol	4.77	59	32475	27.588	ug/l #	80
12) 1,1-Dichloroethene	3.73	96	40028	5.417	ug/l	89
13) Acrolein	3.60	56	24747	30.546	ug/l	96
14) Allyl chloride	4.32	41	62884	5.581	ug/l	100
15) Acrylonitrile	4.98	53	92414	28.151	ug/l	99
16) Acetone	3.81	43	90746	30.827	ug/l	99
17) Carbon Disulfide	4.05	76	103113	5.129	ug/l	96
18) Methyl Acetate	4.31	43	66414	6.573	ug/l	95
19) Methyl tert-butyl Ether	5.03	73	122832	5.534	ug/l	96
20) Methylene Chloride	4.54	84	49473	5.750	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	44036	5.602	ug/l	95
22) Diisopropyl ether	5.94	45	129680	5.834	ug/l	98
23) Vinyl Acetate	5.88	43	493903	28.011	ug/l	100
24) 1,1-Dichloroethane	5.84	63	77949	5.597	ug/l	97
25) 2-Butanone	6.82	43	124122	29.373	ug/l	100
26) 2,2-Dichloropropane	6.82	77	63155	5.557	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	50563	5.566	ug/l	98
28) Bromochloromethane	7.19	49	35004	5.644	ug/l	100
29) Tetrahydrofuran	7.20	42	75937	28.154	ug/l	99
30) Chloroform	7.36	83	82436	5.656	ug/l	90
31) Cyclohexane	7.65	56	75839	6.264	ug/l #	77
32) 1,1,1-Trichloroethane	7.56	97	66384	5.387	ug/l	98
36) 1,1-Dichloropropene	7.79	75	59546	5.387	ug/l	99
37) Ethyl Acetate	6.92	43	49328	5.451	ug/l	99
38) Carbon Tetrachloride	7.77	117	61784	5.255	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	69872	5.347	ug/l	98
40) Benzene	8.03	78	183426	5.429	ug/l	98
41) Methacrylonitrile	7.16	41	22601	5.978	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	59581	5.490	ug/l	99
43) Isopropyl Acetate	8.16	43	93855	6.240	ug/l #	89
44) Trichloroethene	8.83	130	51692	5.309	ug/l	99
45) 1,2-Dichloropropane	9.11	63	46721	5.450	ug/l	97
46) Dibromomethane	9.20	93	30746	5.333	ug/l	100
47) Bromodichloromethane	9.40	83	58431	5.246	ug/l	100
48) Methyl methacrylate	9.19	41	37445	5.429	ug/l	98
49) 1,4-Dioxane	9.19	88	16523	106.657	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	238658	27.247	ug/l	100
52) Toluene	10.15	92	112826	5.383	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	63856	5.361	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	68952	5.138	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	43100	5.239	ug/l	96
56) Ethyl methacrylate	10.43	69	60610	5.219	ug/l	98
57) 1,3-Dichloropropane	10.71	76	74539	5.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	65615	22.468	ug/l	100
59) 2-Hexanone	10.75	43	168357	27.045	ug/l	99
60) Dibromochloromethane	10.90	129	46590	5.048	ug/l	97
61) 1,2-Dibromoethane	11.00	107	46004	5.381	ug/l	97
64) Tetrachloroethene	10.63	164	54315	5.609	ug/l	99
65) Chlorobenzene	11.43	112	121389	5.413	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	44275	5.111	ug/l	96
67) Ethyl Benzene	11.51	91	204191	5.320	ug/l	98
68) m/p-Xylenes	11.62	106	146666	10.229	ug/l	98
69) o-Xylene	11.95	106	72909	5.187	ug/l	98
70) Styrene	11.96	104	105830	4.870	ug/l	100
71) Bromoform	12.13	173	32585	4.893	ug/l #	98
73) Isopropylbenzene	12.25	105	189216	6.394	ug/l	100
74) N-amyl acetate	12.07	43	56682	6.564	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	55738	6.561	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	47764m	7.076	ug/l	
77) Bromobenzene	12.53	156	49056	6.090	ug/l	98
78) n-propylbenzene	12.59	91	175703	5.897	ug/l	99
79) 2-Chlorotoluene	12.67	91	116312	6.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147743	6.157	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	14751	6.132	ug/l	86
82) 4-Chlorotoluene	12.77	91	101486	5.821	ug/l	98
83) tert-Butylbenzene	12.99	119	140667	6.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	136656	6.089	ug/l	99
85) sec-Butylbenzene	13.17	105	162546	6.058	ug/l	99
86) p-Isopropyltoluene	13.29	119	139163	5.949	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	59844	5.431	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	57223	5.349	ug/l	94
89) n-Butylbenzene	13.62	91	95193	5.790	ug/l	98
90) Hexachloroethane	13.88	117	28492	6.233	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	53114	4.956	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5467	5.119	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11439	2.974	ug/l	96
94) Hexachlorobutadiene	15.01	225	29750	5.770	ug/l	96
95) Naphthalene	15.13	128	26001	3.442	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	10903	2.797	ug/l	99

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

