

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056922.D
 Acq On : 25 Jul 2019 15:02
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:36:49 PM

Quant Time: Jul 26 03:30:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	92968	18.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.66%	
35) Dibromofluoromethane	7.57	113	86689	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
50) Toluene-d8	10.08	98	326142	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
62) 4-Bromofluorobenzene	12.40	95	100858	18.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	107726	20.741	ug/l	100
3) Chloromethane	2.05	50	119843	18.479	ug/l	99
4) Vinyl Chloride	2.17	62	111828	18.781	ug/l	97
5) Bromomethane	2.55	94	65349	17.947	ug/l	98
6) Chloroethane	2.69	64	62386	18.956	ug/l	99
7) Trichlorofluoromethane	3.00	101	148421	19.983	ug/l	100
8) Diethyl Ether	3.39	74	52232	18.791	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87710	19.190	ug/l	98
10) Methyl Iodide	3.93	142	124669	20.365	ug/l	99
11) Tert butyl alcohol	4.76	59	61983	88.237	ug/l	100
12) 1,1-Dichloroethene	3.72	96	85965	18.833	ug/l	98
13) Acrolein	3.59	56	34930	64.598	ug/l	99
14) Allyl chloride	4.30	41	133702	17.849	ug/l	99
15) Acrylonitrile	4.96	53	191362	89.908	ug/l	100
16) Acetone	3.80	43	150911	82.697	ug/l	100
17) Carbon Disulfide	4.03	76	225732	18.211	ug/l	100
18) Methyl Acetate	4.30	43	105470	14.980	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	244402	18.158	ug/l	100
20) Methylene Chloride	4.53	84	98824	18.370	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	90122	18.895	ug/l	98
22) Diisopropyl ether	5.93	45	285380	18.856	ug/l	96
23) Vinyl Acetate	5.87	43	943405	86.817	ug/l	100
24) 1,1-Dichloroethane	5.83	63	166175	18.918	ug/l	100
25) 2-Butanone	6.82	43	231764	87.344	ug/l	99
26) 2,2-Dichloropropane	6.80	77	115266	18.480	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103618	18.898	ug/l	99
28) Bromochloromethane	7.18	49	79788	19.966	ug/l	99
29) Tetrahydrofuran	7.19	42	159316	88.241	ug/l	99
30) Chloroform	7.36	83	165611	18.767	ug/l	100
31) Cyclohexane	7.63	56	156108	18.377	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	135167	18.935	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122612	19.270	ug/l	99
37) Ethyl Acetate	6.91	43	95856	18.818	ug/l	99
38) Carbon Tetrachloride	7.76	117	115725	19.046	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	153373	19.184	ug/l	99
40) Benzene	8.02	78	381177	19.239	ug/l	99
41) Methacrylonitrile	7.15	41	36575	14.871	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	119634	19.327	ug/l	99
43) Isopropyl Acetate	8.15	43	155010	17.637	ug/l #	91
44) Trichloroethene	8.82	130	104166	19.519	ug/l	97
45) 1,2-Dichloropropane	9.11	63	100533	18.789	ug/l	99
46) Dibromomethane	9.19	93	62488	18.922	ug/l	99
47) Bromodichloromethane	9.39	83	118800	19.084	ug/l	99
48) Methyl methacrylate	9.19	41	74399	16.969	ug/l	99
49) 1,4-Dioxane	9.19	88	33352	384.980	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	476432	91.096	ug/l	99
52) Toluene	10.15	92	235852	19.753	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119487	18.786	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141018	18.753	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	90458	19.081	ug/l	98
56) Ethyl methacrylate	10.42	69	119609	18.277	ug/l	100
57) 1,3-Dichloropropane	10.70	76	150740	19.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	262659	96.336	ug/l	99
59) 2-Hexanone	10.74	43	322284	88.754	ug/l	100
60) Dibromochloromethane	10.89	129	89835	18.876	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91334	19.441	ug/l	99
64) Tetrachloroethene	10.62	164	111867	21.241	ug/l	98
65) Chlorobenzene	11.43	112	247969	19.640	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	91022	19.108	ug/l	99
67) Ethyl Benzene	11.50	91	431835	19.792	ug/l	100
68) m/p-Xylenes	11.61	106	324816	39.754	ug/l	100
69) o-Xylene	11.94	106	154128	19.369	ug/l	96
70) Styrene	11.96	104	254800	20.079	ug/l	99
71) Bromoform	12.12	173	59804	18.237	ug/l #	99
73) Isopropylbenzene	12.24	105	418350	19.663	ug/l	99
74) N-amyl acetate	12.06	43	115766	16.438	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	111381	17.815	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96322m	18.935	ug/l	
77) Bromobenzene	12.52	156	106055	19.980	ug/l	99
78) n-propylbenzene	12.59	91	451087	20.098	ug/l	100
79) 2-Chlorotoluene	12.67	91	273634	19.510	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	351874	19.845	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	27044	17.299	ug/l	90
82) 4-Chlorotoluene	12.77	91	257244	19.312	ug/l	99
83) tert-Butylbenzene	12.99	119	303276	19.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	340037	20.128	ug/l	100
85) sec-Butylbenzene	13.17	105	395661	19.918	ug/l	100
86) p-Isopropyltoluene	13.28	119	351404	19.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	165978	19.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159126	19.297	ug/l	99
89) n-Butylbenzene	13.61	91	267576	19.696	ug/l	98
90) Hexachloroethane	13.87	117	56062	18.291	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	167205	19.567	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15382	16.624	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63154	17.184	ug/l	99
94) Hexachlorobutadiene	15.00	225	65191	19.402	ug/l	99
95) Naphthalene	15.12	128	144766	15.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70538	17.367	ug/l	99

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

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