

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055037.D
 Acq On : 15 Apr 2019 10:42
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 1:49:01 PM

Quant Time: Apr 15 12:14:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	406380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	664667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	114117	22.38	ug/l	0.00
Spiked Amount			Recovery	=	44.76%	
35) Dibromofluoromethane	7.59	113	90154	21.28	ug/l	0.00
Spiked Amount			Recovery	=	42.56%	
50) Toluene-d8	10.09	98	324202	20.83	ug/l	0.00
Spiked Amount			Recovery	=	41.66%	
62) 4-Bromofluorobenzene	12.40	95	104751	19.98	ug/l	0.00
Spiked Amount			Recovery	=	39.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	95133	21.223	ug/l	99
3) Chloromethane	2.06	50	121775	20.258	ug/l	98
4) Vinyl Chloride	2.19	62	100051	20.512	ug/l	100
5) Bromomethane	2.56	94	56529	20.020	ug/l	97
6) Chloroethane	2.70	64	55274	20.548	ug/l	93
7) Trichlorofluoromethane	3.02	101	127062	20.767	ug/l	99
8) Diethyl Ether	3.41	74	40978	21.296	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66522	20.845	ug/l	99
10) Methyl Iodide	3.94	142	118611	25.771	ug/l	96
11) Tert butyl alcohol	4.82	59	29374	93.603	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	61685	19.633	ug/l	95
13) Acrolein	3.61	56	35932	94.860	ug/l	98
14) Allyl chloride	4.32	41	157398	20.503	ug/l	99
15) Acrylonitrile	5.00	53	183233	105.862	ug/l	99
16) Acetone	3.82	43	148032	105.663	ug/l	99
17) Carbon Disulfide	4.04	76	201429	19.683	ug/l	97
18) Methyl Acetate	4.33	43	86178	19.844	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	236952	21.107	ug/l	99
20) Methylene Chloride	4.54	84	99192	19.321	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	85628	20.688	ug/l	93
22) Diisopropyl ether	5.96	45	331418	21.292	ug/l	97
23) Vinyl Acetate	5.90	43	1133161	104.086	ug/l	100
24) 1,1-Dichloroethane	5.85	63	175646	20.894	ug/l	99
25) 2-Butanone	6.85	43	232395	107.704	ug/l	99
26) 2,2-Dichloropropane	6.82	77	111982	20.134	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	101061	21.018	ug/l	98
28) Bromochloromethane	7.19	49	88485	22.185	ug/l	99
29) Tetrahydrofuran	7.22	42	149820	105.919	ug/l	99
30) Chloroform	7.37	83	169292	21.118	ug/l	99
31) Cyclohexane	7.65	56	162381	17.553	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	133634	20.925	ug/l	98
36) 1,1-Dichloropropene	7.79	75	121878	19.841	ug/l	99
37) Ethyl Acetate	6.94	43	97783	21.204	ug/l	99
38) Carbon Tetrachloride	7.77	117	112202	19.405	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	131047	18.634	ug/l	99
40) Benzene	8.04	78	372163	20.039	ug/l	97
41) Methacrylonitrile	7.18	41	59471	20.958	ug/l	96
42) 1,2-Dichloroethane	8.12	62	132883	20.339	ug/l	99
43) Isopropyl Acetate	8.17	43	157741	20.004	ug/l	99
44) Trichloroethene	8.83	130	94724	19.958	ug/l	99
45) 1,2-Dichloropropane	9.12	63	106494	20.320	ug/l	98
46) Dibromomethane	9.21	93	60386	20.108	ug/l	95
47) Bromodichloromethane	9.40	83	122008	19.979	ug/l	99
48) Methyl methacrylate	9.20	41	77813	19.156	ug/l	99
49) 1,4-Dioxane	9.21	88	14499	331.894	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	465758	100.877	ug/l	99
52) Toluene	10.16	92	220501	20.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	106194	19.204	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	135303	19.863	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	82422	20.144	ug/l	98
56) Ethyl methacrylate	10.43	69	97764	18.569	ug/l	96
57) 1,3-Dichloropropane	10.71	76	144317	20.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187760	91.144	ug/l	100
59) 2-Hexanone	10.75	43	292406	101.347	ug/l	99
60) Dibromochloromethane	10.90	129	83494	20.501	ug/l	99
61) 1,2-Dibromoethane	11.01	107	77373	19.751	ug/l	97
64) Tetrachloroethene	10.63	164	89878	20.028	ug/l	96
65) Chlorobenzene	11.43	112	230084	20.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84713	20.780	ug/l	99
67) Ethyl Benzene	11.51	91	410897	20.222	ug/l	100
68) m/p-Xylenes	11.62	106	305479	41.091	ug/l	98
69) o-Xylene	11.95	106	150994	20.528	ug/l	98
70) Styrene	11.96	104	241156	20.677	ug/l	99
71) Bromoform	12.13	173	49965	20.289	ug/l #	97
73) Isopropylbenzene	12.25	105	389154	20.043	ug/l	99
74) N-amyl acetate	12.07	43	111697	19.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103795	20.648	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	79929m	19.025	ug/l	
77) Bromobenzene	12.53	156	94604	19.835	ug/l	100
78) n-propylbenzene	12.59	91	428259	20.245	ug/l	100
79) 2-Chlorotoluene	12.67	91	262875	20.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	321884	20.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19756	19.409	ug/l	95
82) 4-Chlorotoluene	12.77	91	251205	19.876	ug/l	99
83) tert-Butylbenzene	12.99	119	266570	19.686	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	309959	20.451	ug/l	100
85) sec-Butylbenzene	13.17	105	340176	19.676	ug/l	100
86) p-Isopropyltoluene	13.29	119	295317	19.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152240	19.627	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	142797	19.249	ug/l	98
89) n-Butylbenzene	13.61	91	217673	18.430	ug/l	100
90) Hexachloroethane	13.87	117	44801	18.029	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	156726	20.814	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13646	20.876	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	56105	17.694	ug/l	97
94) Hexachlorobutadiene	15.01	225	46736	17.809	ug/l	98
95) Naphthalene	15.13	128	129511	17.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59393	17.485	ug/l	99

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

