

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056328.D
 Acq On : 17 Jun 2019 9:37
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 18 03:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	351179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	83170	17.35	ug/l	0.00
Spiked Amount			Recovery	=	34.70%	
35) Dibromofluoromethane	7.59	113	73046	16.60	ug/l	0.00
Spiked Amount			Recovery	=	33.20%	
50) Toluene-d8	10.09	98	272905	16.17	ug/l	0.00
Spiked Amount			Recovery	=	32.34%	
62) 4-Bromofluorobenzene	12.40	95	86947	15.08	ug/l	0.00
Spiked Amount			Recovery	=	30.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	67873	16.822	ug/l	100
3) Chloromethane	2.06	50	87456	17.872	ug/l	99
4) Vinyl Chloride	2.19	62	84726	17.360	ug/l	100
5) Bromomethane	2.54	94	51959	17.312	ug/l	98
6) Chloroethane	2.69	64	49663	17.582	ug/l	97
7) Trichlorofluoromethane	3.01	101	110008	17.636	ug/l	100
8) Diethyl Ether	3.41	74	42966	17.016	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68451	17.838	ug/l	99
10) Methyl Iodide	3.94	142	88835	14.938	ug/l	99
11) Tert butyl alcohol	4.82	59	61742	75.399	ug/l	97
12) 1,1-Dichloroethene	3.72	96	66143	17.279	ug/l	97
13) Acrolein	3.60	56	17947	78.116	ug/l	96
14) Allyl chloride	4.31	41	113029	17.872	ug/l	99
15) Acrylonitrile	4.99	53	187421	92.077	ug/l	99
16) Acetone	3.82	43	241330	101.505	ug/l	100
17) Carbon Disulfide	4.04	76	176973	18.044	ug/l	99
18) Methyl Acetate	4.33	43	84003	17.632	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	209249	17.195	ug/l	99
20) Methylene Chloride	4.54	84	79072	17.560	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	71304	17.273	ug/l	97
22) Diisopropyl ether	5.95	45	226045	17.666	ug/l	97
23) Vinyl Acetate	5.90	43	927988	89.764	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130128	17.629	ug/l	99
25) 2-Butanone	6.84	43	289074	96.867	ug/l	99
26) 2,2-Dichloropropane	6.82	77	92212	16.692	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	82432	17.090	ug/l	99
28) Bromochloromethane	7.19	49	72008	20.126	ug/l	100
29) Tetrahydrofuran	7.22	42	167987	93.538	ug/l	98
30) Chloroform	7.37	83	131568	17.855	ug/l	96
31) Cyclohexane	7.65	56	123536	16.414	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	107163	17.433	ug/l	100
36) 1,1-Dichloropropene	7.79	75	96605	16.282	ug/l	100
37) Ethyl Acetate	6.93	43	98657	17.717	ug/l	99
38) Carbon Tetrachloride	7.77	117	92416	16.704	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	119262	16.231	ug/l	98
40) Benzene	8.04	78	299814	16.658	ug/l	100
41) Methacrylonitrile	7.18	41	44077	16.861	ug/l	94
42) 1,2-Dichloroethane	8.12	62	99230	16.957	ug/l	99
43) Isopropyl Acetate	8.17	43	146786	16.705	ug/l	99
44) Trichloroethene	8.83	130	82522	16.400	ug/l	98
45) 1,2-Dichloropropane	9.12	63	81353	17.298	ug/l	98
46) Dibromomethane	9.21	93	52268	16.972	ug/l	97
47) Bromodichloromethane	9.40	83	99212	17.342	ug/l	99
48) Methyl methacrylate	9.20	41	73878	16.844	ug/l	99
49) 1,4-Dioxane	9.20	88	30399	331.337	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	482494	86.121	ug/l	100
52) Toluene	10.15	92	183151	16.378	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96713	16.402	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116766	17.238	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74560	16.780	ug/l	99
56) Ethyl methacrylate	10.43	69	106735	16.070	ug/l	100
57) 1,3-Dichloropropane	10.71	76	125439	17.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	169714	75.760	ug/l	99
59) 2-Hexanone	10.75	43	369356	90.070	ug/l	99
60) Dibromochloromethane	10.90	129	78463	17.333	ug/l	99
61) 1,2-Dibromoethane	11.01	107	78251	16.947	ug/l	100
64) Tetrachloroethene	10.63	164	80827	16.190	ug/l	100
65) Chlorobenzene	11.43	112	198233	16.603	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73415	17.449	ug/l	99
67) Ethyl Benzene	11.51	91	343323	16.470	ug/l	100
68) m/p-Xylenes	11.62	106	260583	32.815	ug/l	99
69) o-Xylene	11.95	106	127473	16.373	ug/l	99
70) Styrene	11.96	104	206626	16.328	ug/l	99
71) Bromoform	12.12	173	56610	17.385	ug/l #	99
73) Isopropylbenzene	12.25	105	336340	17.876	ug/l	100
74) N-amyl acetate	12.07	43	119502	18.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105529	18.915	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	85372m	19.088	ug/l	
77) Bromobenzene	12.53	156	85218	17.164	ug/l	98
78) n-propylbenzene	12.59	91	343420	17.086	ug/l	99
79) 2-Chlorotoluene	12.67	91	221960	17.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	274973	17.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26185	17.384	ug/l	92
82) 4-Chlorotoluene	12.77	91	204315	17.334	ug/l	100
83) tert-Butylbenzene	12.99	119	238711	17.395	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	260613	17.508	ug/l	99
85) sec-Butylbenzene	13.17	105	307097	17.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	265967	17.049	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	129585	16.715	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122045	16.332	ug/l	100
89) n-Butylbenzene	13.61	91	181313	15.431	ug/l	100
90) Hexachloroethane	13.87	117	47706	18.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	131228	16.942	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16364	19.363	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	43933	12.524	ug/l	99
94) Hexachlorobutadiene	15.01	225	48812	16.631	ug/l	98
95) Naphthalene	15.13	128	124756	13.491	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52209	13.789	ug/l	98

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

