

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057295.D
 Acq On : 14 Aug 2019 18:40
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081519

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:21 AM

Quant Time: Aug 15 08:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	984167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1461054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1328855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	533351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	518750	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.58	113	466055	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.09	98	1756936	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	604755	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	387763	45.788	ug/l	100
3) Chloromethane	2.06	50	478740	47.894	ug/l	98
4) Vinyl Chloride	2.18	62	460144	48.930	ug/l	100
5) Bromomethane	2.54	94	353905m	52.794	ug/l	
6) Chloroethane	2.69	64	308746	47.729	ug/l	98
7) Trichlorofluoromethane	3.02	101	693994	47.047	ug/l	98
8) Diethyl Ether	3.40	74	270795	48.775	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	415863	47.985	ug/l	99
10) Methyl Iodide	3.95	142	654908	47.276	ug/l	99
11) Tert butyl alcohol	4.76	59	369862	243.168	ug/l	100
12) 1,1-Dichloroethene	3.73	96	421887	48.858	ug/l	98
13) Acrolein	3.60	56	215270	233.139	ug/l	99
14) Allyl chloride	4.32	41	678605	49.026	ug/l	99
15) Acrylonitrile	4.97	53	1035327	250.720	ug/l	100
16) Acetone	3.80	43	821637	221.379	ug/l	99
17) Carbon Disulfide	4.05	76	1155540	49.672	ug/l	100
18) Methyl Acetate	4.31	43	495151	49.926	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1349017	49.789	ug/l	98
20) Methylene Chloride	4.54	84	482442	46.458	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	454300	48.923	ug/l	95
22) Diisopropyl ether	5.94	45	1341907	49.076	ug/l	99
23) Vinyl Acetate	5.88	43	5513310	250.537	ug/l	99
24) 1,1-Dichloroethane	5.84	63	811607	48.246	ug/l	100
25) 2-Butanone	6.82	43	1292335	240.453	ug/l	97
26) 2,2-Dichloropropane	6.81	77	650267	47.830	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	533202	48.502	ug/l	99
28) Bromochloromethane	7.18	49	372088	49.781	ug/l #	99
29) Tetrahydrofuran	7.20	42	838345	246.478	ug/l	100
30) Chloroform	7.36	83	826249	46.869	ug/l	100
31) Cyclohexane	7.65	56	688125	47.203	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	733485	49.467	ug/l	98
36) 1,1-Dichloropropene	7.79	75	628134	48.692	ug/l	98
37) Ethyl Acetate	6.91	43	543010	51.393	ug/l	99
38) Carbon Tetrachloride	7.77	117	648792	48.405	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	725882	48.189	ug/l	98
40) Benzene	8.04	78	1896120	48.056	ug/l	99
41) Methacrylonitrile	7.17	41	282160m	59.301	ug/l	
42) 1,2-Dichloroethane	8.12	62	617786	47.307	ug/l	99
43) Isopropyl Acetate	8.16	43	949726	48.797	ug/l	98
44) Trichloroethene	8.83	130	542588	48.912	ug/l	96
45) 1,2-Dichloropropane	9.11	63	499931	49.156	ug/l	100
46) Dibromomethane	9.20	93	327252	48.232	ug/l	98
47) Bromodichloromethane	9.40	83	650586	48.395	ug/l	99
48) Methyl methacrylate	9.19	41	425908	48.951	ug/l	99
49) 1,4-Dioxane	9.19	88	181253	990.608	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2651417	243.246	ug/l	99
52) Toluene	10.15	92	1211331	49.323	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	727384	50.023	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	797701	49.749	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	467695	48.430	ug/l	98
56) Ethyl methacrylate	10.43	69	724932	51.439	ug/l	98
57) 1,3-Dichloropropane	10.70	76	779844	48.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	930458	224.585	ug/l	99
59) 2-Hexanone	10.75	43	1928752	246.127	ug/l	99
60) Dibromochloromethane	10.90	129	544892	50.350	ug/l	98
61) 1,2-Dibromoethane	11.00	107	503764	48.970	ug/l	99
64) Tetrachloroethene	10.63	164	535390	46.606	ug/l	99
65) Chlorobenzene	11.43	112	1314300	48.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	507005	48.846	ug/l	99
67) Ethyl Benzene	11.51	91	2316118	48.846	ug/l	99
68) m/p-Xylenes	11.62	106	1745925	99.937	ug/l	100
69) o-Xylene	11.95	106	854952	49.842	ug/l	99
70) Styrene	11.96	104	1422873	52.037	ug/l	99
71) Bromoform	12.13	173	413297	50.472	ug/l	100
73) Isopropylbenzene	12.25	105	2289539	54.271	ug/l	99
74) N-amyl acetate	12.07	43	743655	48.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	645389	54.875	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	532585m	50.737	ug/l	
77) Bromobenzene	12.53	156	600702	52.660	ug/l	99
78) n-propylbenzene	12.59	91	2419957	47.117	ug/l	100
79) 2-Chlorotoluene	12.67	91	1495342	53.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1910431	53.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	210109	48.036	ug/l	97
82) 4-Chlorotoluene	12.77	91	1441861	47.375	ug/l	100
83) tert-Butylbenzene	12.99	119	1690513	53.815	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1812377	47.178	ug/l	99
85) sec-Butylbenzene	13.17	105	2123712	52.716	ug/l	99
86) p-Isopropyltoluene	13.29	119	1866442	47.455	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	936235	50.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	886201	49.958	ug/l	100
89) n-Butylbenzene	13.62	91	1435838	51.209	ug/l	100
90) Hexachloroethane	13.88	117	353759	53.026	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	920977	52.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91981	48.362	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	391923	55.589	ug/l	99
94) Hexachlorobutadiene	15.01	225	386550	58.660	ug/l	98
95) Naphthalene	15.13	128	790452	65.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	366528	68.700	ug/l	99

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

