

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053930.D
 Acq On : 25 Feb 2019 15:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN022519

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:28 AM

Quant Time: Feb 28 04:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	745853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1144799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1002315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	489553	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	405997	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	370065	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1382919	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	470159	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	344031	50.119	ug/l	99
3) Chloromethane	2.06	50	455875	47.879	ug/l	98
4) Vinyl Chloride	2.19	62	460095	48.228	ug/l	99
5) Bromomethane	2.57	94	300049	47.491	ug/l	100
6) Chloroethane	2.71	64	273341	46.071	ug/l	99
7) Trichlorofluoromethane	3.02	101	589553	48.374	ug/l	99
8) Diethyl Ether	3.41	74	227272	49.774	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	378968	49.234	ug/l	95
10) Methyl Iodide	3.95	142	502405	49.673	ug/l	98
11) Tert butyl alcohol	4.77	59	126665	228.531	ug/l	99
12) 1,1-Dichloroethene	3.74	96	355705	48.312	ug/l	95
13) Acrolein	3.61	56	99604	173.573	ug/l	99
14) Allyl chloride	4.32	41	644848	49.936	ug/l	95
15) Acrylonitrile	4.98	53	719636	246.349	ug/l	100
16) Acetone	3.81	43	634169	275.239	ug/l	97
17) Carbon Disulfide	4.05	76	1124220	47.331	ug/l	98
18) Methyl Acetate	4.32	43	291899	47.747	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	999145	50.587	ug/l	97
20) Methylene Chloride	4.55	84	401143	46.357	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	386975	48.561	ug/l	94
22) Diisopropyl ether	5.95	45	1281645	51.445	ug/l	97
23) Vinyl Acetate	5.89	43	4698366	262.158	ug/l	95
24) 1,1-Dichloroethane	5.85	63	743515	48.667	ug/l	99
25) 2-Butanone	6.83	43	871668	253.912	ug/l	95
26) 2,2-Dichloropropane	6.82	77	555166	51.148	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	435217	49.108	ug/l	95
28) Bromochloromethane	7.19	49	348594	49.849	ug/l	83
29) Tetrahydrofuran	7.21	42	563456	246.468	ug/l	92
30) Chloroform	7.37	83	710449	47.958	ug/l	100
31) Cyclohexane	7.65	56	718354	51.391	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	602913	49.360	ug/l	97
36) 1,1-Dichloropropene	7.79	75	567507	53.306	ug/l	97
37) Ethyl Acetate	6.93	43	377444	49.652	ug/l	97
38) Carbon Tetrachloride	7.77	117	534280	48.253	ug/l	100

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39) Methylcyclohexane	9.08	83	701275	54.651	ug/l	96
40) Benzene	8.04	78	1675577	51.232	ug/l	100
41) Methacrylonitrile	7.17	41	187003	38.204	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	513251	50.689	ug/l	97
43) Isopropyl Acetate	8.16	43	667464	52.003	ug/l #	91
44) Trichloroethene	8.83	130	441781	50.951	ug/l	94
45) 1,2-Dichloropropane	9.12	63	447928	50.764	ug/l	100
46) Dibromomethane	9.21	93	255249	49.827	ug/l	94
47) Bromodichloromethane	9.40	83	543862	50.377	ug/l	99
48) Methyl methacrylate	9.20	41	315036	53.362	ug/l	94
49) 1,4-Dioxane	9.20	88	71979	900.164	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	1779528	269.809	ug/l	96
52) Toluene	10.16	92	1004931	52.182	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	569810	54.246	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	659346	53.245	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	361038	50.199	ug/l	99
56) Ethyl methacrylate	10.43	69	466223	49.460	ug/l	91
57) 1,3-Dichloropropane	10.71	76	628814	51.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1173848	266.413	ug/l	96
59) 2-Hexanone	10.75	43	1173010	273.454	ug/l	95
60) Dibromochloromethane	10.90	129	408705	51.132	ug/l	99
61) 1,2-Dibromoethane	11.00	107	350350	50.498	ug/l	99
64) Tetrachloroethene	10.63	164	426693	50.274	ug/l	98
65) Chlorobenzene	11.43	112	1082913	51.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	392390	51.469	ug/l	100
67) Ethyl Benzene	11.51	91	1884238	53.133	ug/l	99
68) m/p-Xylenes	11.62	106	1449055	108.265	ug/l	97
69) o-Xylene	11.95	106	695832	52.910	ug/l	98
70) Styrene	11.96	104	1134460	56.084	ug/l	99
71) Bromoform	12.13	173	278072	52.429	ug/l #	100
73) Isopropylbenzene	12.25	105	1836974	48.204	ug/l	99
74) N-amyl acetate	12.07	43	519006	51.963	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	437413	45.900	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	389497m	49.597	ug/l	
77) Bromobenzene	12.53	156	466065	48.170	ug/l	92
78) n-propylbenzene	12.59	91	2196962	50.692	ug/l	98
79) 2-Chlorotoluene	12.67	91	1260316	48.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1584803	50.798	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	124169	49.973	ug/l	95
82) 4-Chlorotoluene	12.77	91	1300786	50.553	ug/l	97
83) tert-Butylbenzene	12.99	119	1334688	48.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1609926	51.689	ug/l	99
85) sec-Butylbenzene	13.17	105	1899518	50.403	ug/l	99
86) p-Isopropyltoluene	13.29	119	1657500	52.025	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	847188	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	836226	51.497	ug/l	99
89) n-Butylbenzene	13.61	91	1489935	55.491	ug/l	99
90) Hexachloroethane	13.87	117	286903	46.471	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	810264	50.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65227	48.435	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	469876	52.120	ug/l	99
94) Hexachlorobutadiene	15.01	225	291449	49.798	ug/l	99
95) Naphthalene	15.13	128	960068	49.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	443540	51.345	ug/l	98

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

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