

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053924.D
 Acq On : 25 Feb 2019 12:36
 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
 2/28/2019 10:48:00 AM

Quant Time: Feb 28 03:39:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1005613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	863320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	381673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	150449	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	
35) Dibromofluoromethane	7.59	113	135181	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
50) Toluene-d8	10.09	98	490336	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
62) 4-Bromofluorobenzene	12.40	95	155754	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	115025	19.899	ug/l	99
3) Chloromethane	2.06	50	157044	19.586	ug/l	99
4) Vinyl Chloride	2.18	62	157382	19.590	ug/l	99
5) Bromomethane	2.57	94	99697	18.738	ug/l	98
6) Chloroethane	2.71	64	98902	19.795	ug/l	99
7) Trichlorofluoromethane	3.02	101	201451	19.629	ug/l	98
8) Diethyl Ether	3.41	74	73455	19.103	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127867	19.727	ug/l	95
10) Methyl Iodide	3.95	142	164977	19.370	ug/l	99
11) Tert butyl alcohol	4.78	59	44565	95.480	ug/l	97
12) 1,1-Dichloroethene	3.74	96	118708	19.146	ug/l	97
13) Acrolein	3.61	56	35189	72.819	ug/l	99
14) Allyl chloride	4.33	41	210531	19.360	ug/l	95
15) Acrylonitrile	4.99	53	240213	97.648	ug/l	99
16) Acetone	3.81	43	207296	96.013	ug/l	94
17) Carbon Disulfide	4.05	76	379089	18.953	ug/l	100
18) Methyl Acetate	4.32	43	96109	18.668	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	323798	19.468	ug/l	100
20) Methylene Chloride	4.55	84	140580	19.292	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	129541	19.304	ug/l	93
22) Diisopropyl ether	5.95	45	412830	19.678	ug/l	93
23) Vinyl Acetate	5.90	43	1464180	97.016	ug/l	96
24) 1,1-Dichloroethane	5.85	63	248923	19.348	ug/l	100
25) 2-Butanone	6.84	43	280820	97.138	ug/l	96
26) 2,2-Dichloropropane	6.82	77	177451	19.414	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	147173	19.720	ug/l	96
28) Bromochloromethane	7.19	49	113570	19.286	ug/l	83
29) Tetrahydrofuran	7.21	42	187554	97.422	ug/l	93
30) Chloroform	7.37	83	244501	19.599	ug/l	99
31) Cyclohexane	7.65	56	232633	16.981	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	200420	19.485	ug/l	97
36) 1,1-Dichloropropene	7.79	75	187793	20.081	ug/l	96
37) Ethyl Acetate	6.93	43	121345	18.172	ug/l	99
38) Carbon Tetrachloride	7.77	117	180738	18.583	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213181	18.913	ug/l	94
40) Benzene	8.04	78	566213	19.709	ug/l	99
41) Methacrylonitrile	7.19	41	86462m	20.109	ug/l	
42) 1,2-Dichloroethane	8.12	62	173835	19.544	ug/l	98
43) Isopropyl Acetate	8.16	43	213537	18.940	ug/l #	90
44) Trichloroethene	8.83	130	147263	19.335	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148725	19.188	ug/l	98
46) Dibromomethane	9.21	93	89828	19.962	ug/l	93
47) Bromodichloromethane	9.40	83	186840	19.702	ug/l	100
48) Methyl methacrylate	9.20	41	97384	18.778	ug/l	96
49) 1,4-Dioxane	9.20	88	27815	395.998	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	549037	94.766	ug/l	96
52) Toluene	10.16	92	330651	19.546	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	174986	18.964	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	213129	19.593	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	126933	20.092	ug/l	99
56) Ethyl methacrylate	10.43	69	140158	18.962	ug/l	94
57) 1,3-Dichloropropane	10.71	76	210759	19.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	325647	99.772	ug/l	97
59) 2-Hexanone	10.75	43	353621	93.847	ug/l	93
60) Dibromochloromethane	10.90	129	137055	19.520	ug/l	97
61) 1,2-Dibromoethane	11.01	107	117032	19.203	ug/l	99
64) Tetrachloroethene	10.63	164	149801	20.491	ug/l	97
65) Chlorobenzene	11.43	112	350885	19.258	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	131530	20.030	ug/l	99
67) Ethyl Benzene	11.51	91	597251	19.553	ug/l	99
68) m/p-Xylenes	11.62	106	457841	39.715	ug/l	95
69) o-Xylene	11.95	106	224152	19.788	ug/l	98
70) Styrene	11.96	104	347220	19.929	ug/l	99
71) Bromoform	12.13	173	90239	19.753	ug/l #	99
73) Isopropylbenzene	12.25	105	584555	19.675	ug/l	99
74) N-amyl acetate	12.07	43	147458	18.936	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	143266	19.283	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110598m	18.064	ug/l	
77) Bromobenzene	12.53	156	145971	19.351	ug/l	93
78) n-propylbenzene	12.59	91	666227	19.717	ug/l	97
79) 2-Chlorotoluene	12.67	91	399328	19.674	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	486895	20.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35906	18.535	ug/l	92
82) 4-Chlorotoluene	12.77	91	393242	19.602	ug/l	98
83) tert-Butylbenzene	12.99	119	430726	20.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	494567	20.367	ug/l	99
85) sec-Butylbenzene	13.17	105	586163	19.950	ug/l	99
86) p-Isopropyltoluene	13.29	119	496313	19.981	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	254021	19.466	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	243789	19.257	ug/l	98
89) n-Butylbenzene	13.62	91	408351	19.507	ug/l	99
90) Hexachloroethane	13.87	117	91573	19.025	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	248380	19.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19723	18.785	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122746	20.471	ug/l	97
94) Hexachlorobutadiene	15.01	225	91472	20.047	ug/l	98
95) Naphthalene	15.13	128	235423	18.958	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	121172	20.125	ug/l	98

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

