

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120418\
 Data File : VN052647.D
 Acq On : 4 Dec 2018 12:00
 Operator : MD\SY
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/5/2018 9:13:04 AM

Quant Time: Dec 05 03:32:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1144547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1742647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1523071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705130	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	622246	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.59	113	562214	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.09	98	2151800	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	731252	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	192198	17.934	ug/l	100
3) Chloromethane	2.06	50	240655	17.012	ug/l	99
4) Vinyl Chloride	2.19	62	254149	17.489	ug/l	98
5) Bromomethane	2.57	94	156935	17.308	ug/l	97
6) Chloroethane	2.71	64	153961	17.491	ug/l	98
7) Trichlorofluoromethane	3.02	101	335770	18.811	ug/l	98
8) Diethyl Ether	3.41	74	125988	19.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	218772	19.642	ug/l	99
10) Methyl Iodide	3.96	142	286984	19.345	ug/l	100
11) Tert butyl alcohol	4.78	59	63542	101.849	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	197276	18.400	ug/l	97
13) Acrolein	3.61	56	57527	53.054	ug/l	99
14) Allyl chloride	4.33	41	338739	18.332	ug/l	98
15) Acrylonitrile	4.99	53	375713	95.135	ug/l	99
16) Acetone	3.82	43	327277	99.568	ug/l	99
17) Carbon Disulfide	4.06	76	559408	16.580	ug/l	100
18) Methyl Acetate	4.32	43	185995	19.727	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	560609	19.653	ug/l	100
20) Methylene Chloride	4.55	84	233557	18.157	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	215190	18.793	ug/l	97
22) Diisopropyl ether	5.95	45	725616	18.695	ug/l	96
23) Vinyl Acetate	5.90	43	2287121	94.604	ug/l	98
24) 1,1-Dichloroethane	5.85	63	412028	18.592	ug/l	99
25) 2-Butanone	6.83	43	446684	95.876	ug/l	97
26) 2,2-Dichloropropane	6.83	77	309101	20.151	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	250716	18.796	ug/l	99
28) Bromochloromethane	7.20	49	199297	19.689	ug/l	95
29) Tetrahydrofuran	7.21	42	278797	92.777	ug/l	99
30) Chloroform	7.37	83	413273	18.691	ug/l	99
31) Cyclohexane	7.65	56	399861	18.411	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	342801	19.568	ug/l	99
36) 1,1-Dichloropropene	7.79	75	314931	19.137	ug/l	98
37) Ethyl Acetate	6.93	43	184301	18.351	ug/l	97
38) Carbon Tetrachloride	7.77	117	295250	19.819	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384261	19.211	ug/l	98
40) Benzene	8.04	78	950603	19.383	ug/l	100
41) Methacrylonitrile	7.17	41	101842	18.548	ug/l	95
42) 1,2-Dichloroethane	8.12	62	293335	19.754	ug/l	100
43) Isopropyl Acetate	8.16	43	342202	20.134	ug/l	98
44) Trichloroethene	8.84	130	249320	19.847	ug/l	99
45) 1,2-Dichloropropane	9.12	63	253509	19.443	ug/l	99
46) Dibromomethane	9.21	93	144790	20.060	ug/l	97
47) Bromodichloromethane	9.40	83	312472	19.911	ug/l	98
48) Methyl methacrylate	9.20	41	171673	19.371	ug/l	98
49) 1,4-Dioxane	9.20	88	40048	435.424	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	949512	99.572	ug/l	99
52) Toluene	10.16	92	582129	19.978	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	303546	20.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	363130	20.071	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	207912	20.285	ug/l	98
56) Ethyl methacrylate	10.43	69	260130	19.986	ug/l	99
57) 1,3-Dichloropropane	10.71	76	357601	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	735726	98.923	ug/l	98
59) 2-Hexanone	10.75	43	649924	101.549	ug/l	99
60) Dibromochloromethane	10.90	129	225586	20.264	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203356	19.976	ug/l	99
64) Tetrachloroethene	10.63	164	248675	21.058	ug/l	99
65) Chlorobenzene	11.43	112	638935	20.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	223859	20.500	ug/l	99
67) Ethyl Benzene	11.51	91	1113200	20.241	ug/l	100
68) m/p-Xylenes	11.62	106	835228	40.795	ug/l	99
69) o-Xylene	11.95	106	406707	20.456	ug/l	100
70) Styrene	11.96	104	657064	20.749	ug/l	99
71) Bromoform	12.13	173	149959	20.740	ug/l	# 100
73) Isopropylbenzene	12.25	105	1097357	19.836	ug/l	99
74) N-amyl acetate	12.07	43	269250	19.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	246923	19.621	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	206046m	18.949	ug/l	
77) Bromobenzene	12.53	156	267774	19.583	ug/l	98
78) n-propylbenzene	12.59	91	1250490	19.897	ug/l	99
79) 2-Chlorotoluene	12.68	91	734558	19.627	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	895929	20.306	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63176	19.403	ug/l	96
82) 4-Chlorotoluene	12.77	91	738718	19.584	ug/l	99
83) tert-Butylbenzene	12.99	119	790950	20.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	901737	20.393	ug/l	100
85) sec-Butylbenzene	13.17	105	1080143	20.161	ug/l	100
86) p-Isopropyltoluene	13.29	119	922056	20.207	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	472516	19.755	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	469444	19.925	ug/l	99
89) n-Butylbenzene	13.62	91	767697	20.230	ug/l	100
90) Hexachloroethane	13.88	117	151147	19.563	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	455654	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35160	19.535	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	223199	19.650	ug/l	99
94) Hexachlorobutadiene	15.01	225	154254	20.982	ug/l	98
95) Naphthalene	15.13	128	449788	19.209	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	212926	20.217	ug/l	99

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

