

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060374.D
 Acq On : 6 Mar 2020 12:49
 Operator : JC/MD
 Sample : VN0306WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:29 AM

Quant Time: Mar 07 03:19:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120470	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.56	113	86622	59.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.20%	
50) Toluene-d8	10.08	98	344845	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.40	95	129397	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28923	16.638	ug/l	99
3) Chloromethane	2.04	50	50652	16.736	ug/l	99
4) Vinyl Chloride	2.16	62	41802	16.105	ug/l	98
5) Bromomethane	2.54	94	17616	15.188	ug/l	98
6) Chloroethane	2.68	64	23344	16.600	ug/l	96
7) Trichlorofluoromethane	3.00	101	56707	17.100	ug/l	99
8) Diethyl Ether	3.38	74	22992	18.363	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33544	17.873	ug/l	99
10) Methyl Iodide	3.93	142	30650	17.894	ug/l	100
11) Tert butyl alcohol	4.73	59	34767	96.253	ug/l	100
12) 1,1-Dichloroethene	3.71	96	32369	17.721	ug/l	99
13) Acrolein	3.57	56	30564	90.702	ug/l	99
14) Allyl chloride	4.29	41	56381	16.788	ug/l	93
15) Acrylonitrile	4.94	53	91452	96.056	ug/l	99
16) Acetone	3.78	43	75309	95.868	ug/l	99
17) Carbon Disulfide	4.03	76	81668	16.422	ug/l	100
18) Methyl Acetate	4.28	43	48773	18.605	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127695	19.309	ug/l	98
20) Methylene Chloride	4.52	84	38665	17.922	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	35981	18.114	ug/l	98
22) Diisopropyl ether	5.91	45	133940	19.689	ug/l	99
23) Vinyl Acetate	5.86	43	526687	97.430	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72513	18.830	ug/l	99
25) 2-Butanone	6.80	43	123519	97.347	ug/l	100
26) 2,2-Dichloropropane	6.79	77	65591	18.709	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44172	17.658	ug/l	99
28) Bromochloromethane	7.17	49	29036	18.365	ug/l	97
29) Tetrahydrofuran	7.18	42	84386	95.640	ug/l	98
30) Chloroform	7.35	83	73384	19.143	ug/l	97
31) Cyclohexane	7.63	56	63295	18.414	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	63037	18.559	ug/l	100
36) 1,1-Dichloropropene	7.77	75	52621	17.633	ug/l	99
37) Ethyl Acetate	6.90	43	54203	19.182	ug/l	100
38) Carbon Tetrachloride	7.75	117	51433	17.702	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58183	16.536	ug/l	96
40) Benzene	8.02	78	159009	18.307	ug/l	99
41) Methacrylonitrile	7.14	41	21426m	16.422	ug/l	
42) 1,2-Dichloroethane	8.10	62	59605	19.017	ug/l	99
43) Isopropyl Acetate	8.14	43	95315	19.268	ug/l	98
44) Trichloroethene	8.82	130	43522	17.991	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44387	19.546	ug/l	98
46) Dibromomethane	9.19	93	27232	18.481	ug/l	99
47) Bromodichloromethane	9.39	83	57985	19.348	ug/l	99
48) Methyl methacrylate	9.18	41	41434	18.368	ug/l	98
49) 1,4-Dioxane	9.18	88	12059	380.136	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	271172	96.683	ug/l	100
52) Toluene	10.14	92	97441	17.859	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	67894	18.489	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72016	18.926	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41341	18.842	ug/l	99
56) Ethyl methacrylate	10.42	69	58843	18.667	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69521	19.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	162130	98.343	ug/l	99
59) 2-Hexanone	10.74	43	193458	93.943	ug/l	100
60) Dibromochloromethane	10.89	129	42714	19.143	ug/l	100
61) 1,2-Dibromoethane	10.99	107	40387	18.882	ug/l	98
64) Tetrachloroethene	10.62	164	45596	19.169	ug/l	100
65) Chlorobenzene	11.43	112	105730	18.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40607	18.822	ug/l	99
67) Ethyl Benzene	11.50	91	192069	18.076	ug/l	100
68) m/p-Xylenes	11.62	106	142806	35.622	ug/l	99
69) o-Xylene	11.94	106	68898	18.023	ug/l	100
70) Styrene	11.96	104	111146	17.684	ug/l	99
71) Bromoform	12.12	173	29437	18.933	ug/l #	99
73) Isopropylbenzene	12.25	105	185407	18.434	ug/l	100
74) N-amyl acetate	12.06	43	81636	18.574	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	53166	19.446	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	51248m	17.213	ug/l	
77) Bromobenzene	12.52	156	45508	18.458	ug/l	98
78) n-propylbenzene	12.59	91	213953	18.147	ug/l	100
79) 2-Chlorotoluene	12.67	91	127221	18.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	156157	18.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20837	19.319	ug/l #	85
82) 4-Chlorotoluene	12.77	91	133320	18.259	ug/l	98
83) tert-Butylbenzene	12.99	119	131896	17.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	155762	18.223	ug/l	100
85) sec-Butylbenzene	13.17	105	172670	17.587	ug/l	99
86) p-Isopropyltoluene	13.28	119	155630	17.126	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	80282	18.832	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81461	19.125	ug/l	99
89) n-Butylbenzene	13.61	91	140631	16.858	ug/l	100
90) Hexachloroethane	13.87	117	21413	16.279	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	78427	18.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11607	18.747	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50257	18.364	ug/l	98
94) Hexachlorobutadiene	15.01	225	23580	18.324	ug/l	99
95) Naphthalene	15.13	128	142377	17.432	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47576	18.287	ug/l	99

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

