

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064240.D
 Acq On : 22 Oct 2020 1:54
 Operator : JC/MD
 Sample : VN1021WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:10:39 PM

Quant Time: Oct 22 02:54:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	272169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	408493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	205478	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.55	113	146016	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.06	98	530634	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.38	95	212909	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	65632	20.214	ug/l	90
3) Chloromethane	2.04	50	65132	20.705	ug/l	99
4) Vinyl Chloride	2.16	62	63867	20.479	ug/l	94
5) Bromomethane	2.54	94	39595	19.478	ug/l	98
6) Chloroethane	2.68	64	36944	19.459	ug/l	96
7) Trichlorofluoromethane	2.99	101	106869	20.838	ug/l	95
8) Diethyl Ether	3.38	74	35302	20.808	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53108	20.025	ug/l	97
10) Methyl Iodide	3.91	142	69621	18.461	ug/l	98
11) Tert butyl alcohol	4.72	59	49428	91.355	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	48766	19.118	ug/l	96
13) Acrolein	3.56	56	21894	64.463	ug/l	98
14) Allyl chloride	4.27	41	98258	19.246	ug/l	97
15) Acrylonitrile	4.93	53	104769	93.644	ug/l	98
16) Acetone	3.77	43	108555	93.866	ug/l	98
17) Carbon Disulfide	4.01	76	146194	20.092	ug/l	98
18) Methyl Acetate	4.27	43	54907	18.632	ug/l #	78
19) Methyl tert-butyl Ether	4.99	73	172335	19.651	ug/l	96
20) Methylene Chloride	4.50	84	58371	18.928	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	55412	19.700	ug/l	95
22) Diisopropyl ether	5.90	45	181901	19.166	ug/l	99
23) Vinyl Acetate	5.84	43	813187	96.078	ug/l	100
24) 1,1-Dichloroethane	5.79	63	111258	20.236	ug/l	97
25) 2-Butanone	6.78	43	165372	90.003	ug/l	100
26) 2,2-Dichloropropane	6.77	77	88686	16.203	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	64848	19.797	ug/l	96
28) Bromochloromethane	7.14	49	50327	19.268	ug/l	96
29) Tetrahydrofuran	7.16	42	102263	93.044	ug/l	99
30) Chloroform	7.32	83	117866	20.098	ug/l	98
31) Cyclohexane	7.61	56	89218	18.620	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	109795	19.985	ug/l #	84
36) 1,1-Dichloropropene	7.75	75	84922	18.874	ug/l	99
37) Ethyl Acetate	6.88	43	76180	18.648	ug/l	98
38) Carbon Tetrachloride	7.73	117	99584	19.453	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	74779	18.278	ug/l	98
40) Benzene	8.00	78	232358	18.708	ug/l	98
41) Methacrylonitrile	7.12	41	34712	16.199	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	103160	19.389	ug/l	98
43) Isopropyl Acetate	8.12	43	140956	18.514	ug/l	98
44) Trichloroethene	8.80	130	65972	19.492	ug/l	94
45) 1,2-Dichloropropane	9.08	63	63585	19.177	ug/l	98
46) Dibromomethane	9.17	93	44181	19.844	ug/l	98
47) Bromodichloromethane	9.37	83	94823	19.278	ug/l	99
48) Methyl methacrylate	9.16	41	68112	17.126	ug/l	98
49) 1,4-Dioxane	9.16	88	15683	337.026	ug/l #	92
51) 4-Methyl-2-Pentanone	9.95	43	375032	92.169	ug/l	99
52) Toluene	10.12	92	153081	19.262	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	100574	18.406	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	104744	18.206	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	58526	19.499	ug/l	99
56) Ethyl methacrylate	10.40	69	87870	18.933	ug/l	97
57) 1,3-Dichloropropane	10.68	76	102500	19.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	221195	92.557	ug/l	100
59) 2-Hexanone	10.72	43	265464	89.334	ug/l	98
60) Dibromochloromethane	10.87	129	71699	18.453	ug/l	99
61) 1,2-Dibromoethane	10.97	107	60235	19.018	ug/l	99
64) Tetrachloroethene	10.60	164	63732	19.380	ug/l	98
65) Chlorobenzene	11.41	112	164077	19.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	65013	19.370	ug/l	98
67) Ethyl Benzene	11.48	91	297057	19.116	ug/l	98
68) m/p-Xylenes	11.59	106	217840	37.836	ug/l	98
69) o-Xylene	11.92	106	105104	18.876	ug/l	97
70) Styrene	11.94	104	178059	19.077	ug/l	99
71) Bromoform	12.10	173	46057	17.764	ug/l #	99
73) Isopropylbenzene	12.22	105	289445	19.557	ug/l	99
74) N-amyl acetate	12.04	43	120142	18.787	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	73798	18.790	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	71725m	17.533	ug/l	
77) Bromobenzene	12.50	156	67730	19.385	ug/l	98
78) n-propylbenzene	12.56	91	312101	18.703	ug/l	98
79) 2-Chlorotoluene	12.65	91	199587	19.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	236776	18.924	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	25759	15.897	ug/l	97
82) 4-Chlorotoluene	12.75	91	210565	19.695	ug/l	99
83) tert-Butylbenzene	12.97	119	190850	18.604	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	238297	19.135	ug/l	99
85) sec-Butylbenzene	13.14	105	250726	19.387	ug/l	99
86) p-Isopropyltoluene	13.26	119	226622	19.243	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	118349	19.036	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	120996	19.015	ug/l	98
89) n-Butylbenzene	13.59	91	191129	18.105	ug/l	98
90) Hexachloroethane	13.85	117	39570	18.553	ug/l	96
91) 1,2-Dichlorobenzene	13.62	146	115615	18.956	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17596	17.959	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65794	19.234	ug/l	99
94) Hexachlorobutadiene	14.98	225	31490	17.068	ug/l	98
95) Naphthalene	15.10	128	194105	18.948	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	61973	18.292	ug/l	99

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

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