

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061314.D
 Acq On : 6 May 2020 16:59
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:39 AM

Quant Time: May 07 07:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	103100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	163689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	75468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	83919	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	7.55	113	48793	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	10.06	98	213216	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.38	95	79278	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	18692	17.097	ug/l	96
3) Chloromethane	2.03	50	25189	19.023	ug/l	97
4) Vinyl Chloride	2.16	62	28160	18.724	ug/l	98
5) Bromomethane	2.54	94	11959	16.087	ug/l	98
6) Chloroethane	2.67	64	17272	18.119	ug/l	97
7) Trichlorofluoromethane	2.98	101	36002	21.218	ug/l	99
8) Diethyl Ether	3.37	74	13765	19.449	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	20744	18.977	ug/l	97
10) Methyl Iodide	3.91	142	20705	14.739	ug/l	98
11) Tert butyl alcohol	4.72	59	21129	96.686	ug/l	98
12) 1,1-Dichloroethene	3.69	96	19562	17.983	ug/l	95
13) Acrolein	3.56	56	18030	123.806	ug/l	97
14) Allyl chloride	4.27	41	41353	20.503	ug/l	98
15) Acrylonitrile	4.93	53	64477	96.114	ug/l	98
16) Acetone	3.77	43	64546	98.966	ug/l	100
17) Carbon Disulfide	4.01	76	41959	13.964	ug/l	100
18) Methyl Acetate	4.27	43	35548	17.707	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	75719	18.217	ug/l	98
20) Methylene Chloride	4.50	84	22655	17.810	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	20986	17.717	ug/l	98
22) Diisopropyl ether	5.91	45	86132	18.415	ug/l	98
23) Vinyl Acetate	5.84	43	346998	92.141	ug/l	100
24) 1,1-Dichloroethane	5.80	63	44444	18.187	ug/l	99
25) 2-Butanone	6.78	43	93349	96.702	ug/l	98
26) 2,2-Dichloropropane	6.77	77	39777	19.325	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	24405	17.557	ug/l	98
28) Bromochloromethane	7.15	49	23722	20.481	ug/l #	97
29) Tetrahydrofuran	7.17	42	61452	94.503	ug/l	98
30) Chloroform	7.33	83	43595	17.604	ug/l	98
31) Cyclohexane	7.61	56	38975	16.423	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	38210	17.719	ug/l	99
36) 1,1-Dichloropropene	7.75	75	31464	17.536	ug/l	99
37) Ethyl Acetate	6.88	43	38738	18.416	ug/l	100
38) Carbon Tetrachloride	7.73	117	28149	18.695	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	30949	15.381	ug/l	99
40) Benzene	8.00	78	93069	17.411	ug/l	99
41) Methacrylonitrile	7.13	41	14554m	16.664	ug/l	
42) 1,2-Dichloroethane	8.08	62	37658	18.596	ug/l	99
43) Isopropyl Acetate	8.13	43	64529	18.485	ug/l	99
44) Trichloroethene	8.80	130	22989	15.909	ug/l	96
45) 1,2-Dichloropropane	9.08	63	25614	17.936	ug/l	99
46) Dibromomethane	9.17	93	16044	18.144	ug/l	99
47) Bromodichloromethane	9.37	83	34387	18.118	ug/l	97
48) Methyl methacrylate	9.17	41	29092	18.468	ug/l	96
49) 1,4-Dioxane	9.17	88	5490	307.021	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	194484	94.648	ug/l	99
52) Toluene	10.12	92	65883	20.462	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	38141	17.835	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	40012	17.697	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	23391	18.213	ug/l	97
56) Ethyl methacrylate	10.40	69	35276	17.630	ug/l	98
57) 1,3-Dichloropropane	10.68	76	41216	18.258	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	88493	85.126	ug/l	100
59) 2-Hexanone	10.72	43	142031	95.009	ug/l	99
60) Dibromochloromethane	10.87	129	24220	18.006	ug/l	97
61) 1,2-Dibromoethane	10.98	107	23149	17.984	ug/l	100
64) Tetrachloroethene	10.60	164	21798	15.375	ug/l	95
65) Chlorobenzene	11.41	112	57822	17.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	21775	18.737	ug/l	99
67) Ethyl Benzene	11.48	91	108310	17.819	ug/l	100
68) m/p-Xylenes	11.60	106	79186	35.591	ug/l	98
69) o-Xylene	11.92	106	37227	17.419	ug/l	97
70) Styrene	11.94	104	62662	17.518	ug/l	98
71) Bromoform	12.10	173	15380	18.007	ug/l #	95
73) Isopropylbenzene	12.22	105	101992	18.384	ug/l	100
74) N-amyl acetate	12.05	43	51806	18.440	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	33664	19.460	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	31015m	19.493	ug/l	
77) Bromobenzene	12.50	156	23515	18.361	ug/l	96
78) n-propylbenzene	12.57	91	119586	18.173	ug/l	99
79) 2-Chlorotoluene	12.65	91	71037	18.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	84094	18.314	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	11898	18.990	ug/l	96
82) 4-Chlorotoluene	12.75	91	76126	18.674	ug/l	97
83) tert-Butylbenzene	12.97	119	67756	17.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	84410	17.842	ug/l	99
85) sec-Butylbenzene	13.15	105	90820	17.204	ug/l	99
86) p-Isopropyltoluene	13.26	119	80816	16.992	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	42792	18.150	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	42934	17.822	ug/l	98
89) n-Butylbenzene	13.59	91	72042	16.523	ug/l	98
90) Hexachloroethane	13.85	117	10215	25.076	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	41248	18.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7096	19.422	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	22344	16.231	ug/l	98
94) Hexachlorobutadiene	14.99	225	9497	16.513	ug/l	96
95) Naphthalene	15.11	128	76333	17.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	23197	17.067	ug/l	98

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

